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British Columbia

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Energy, Mines and
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MAY 1985

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PREFACE

BACKGROUND

The first Minister of Mines of the Province of British Columbia was appointed in 1874. One of his responsibilities was 'the duty of collecting information on the subject of the mining industries of the Province'. This material, which consisted of reports by the Gold Commissioners and Mining Recorders of the Province, was published in the Annual Report of the Minister of Mines.

A Bureau of Mines was established by Parliamentary authority in 1895 and in 1896 was staffed by a Provincial Mineralogist and an assayer and chemist. Technical reports on mines and mining activities were prepared by them and published in the Annual Report, together with reports contributed by the Mining Recorders and Gold Commissioners.

Over the years, with the expansion of the mining industry, the staff of the Department of Mines grew, as did the number and size of the technical reports on geology and mining that were still published in the Annual Report of the Minister of Mines. Over a period of nearly 75 years the Annual Report became known as the authoritative record of mining in the Province.

However, because of the size to which the Annual Report had grown, it was decided in 1969 to publish all geological and technical reports dealing with solid minerals in a separate volume entitled, *Geology, Exploration and Mining in British Columbia*. Thus a new annual publication was initiated with chapters on exploration and mining related to metals, placer, structural materials and industrial minerals, and coal. In 1975 a revised format was introduced for *Geology, Exploration and Mining in British Columbia* to allow the three main sections to be released as soon as prepared. The separate sections are: *Mining in British Columbia* – a record of mining in the Province plus the Chief Inspector's report; *Exploration in British Columbia* – a record of the performance of the industry in exploration; and *Geology in British Columbia* – a record of the mapping and research of the Geological Division of the Mineral Resources Branch. This mode continued until 1978 when the growth of the three volumes and the delay in assembling them led to their complete separation.

To further improve the timeliness of data processing and information release, designs are underway to produce *Exploration in British Columbia* in computerized format. Consequently, this is the last manually compiled and produced *Exploration in British Columbia*.

ORGANIZATION

This report is organized in the following order: metals, non-metallic commodities, and coal. Brief introductory statements precede each section.

Six digital maps of 1:1 000 000 scale showing the distribution of currently explored properties are in the pocket of *Exploration in British Columbia, 1980* (Fig. E-1, Southeast, Southwest, East Central, West Central, Northeast, and Northwest British Columbia).

All reports are arranged sequentially according to the National Topographic System (NTS) map designation. In the NTS designation, the whole of Canada is divided into primary quadrangles, each 4 degrees latitude by 8 degrees longitude. Each is described by a number, the last digit of which indicates bands of latitude and the first one (or two) indicates bands of longitude (for example, 104). British Columbia is covered by six of these primary quadrangles except for minor areas. Each primary quadrangle is subdivided into 16 1:250 000 map sheets, each 1 degree latitude by 2 degrees longitude, and described by letters A to P (for example, 104G) proceeding from the southeast corner to the west in the southern panel, then east to the next panel, and so on. Each lettered quadrangle is subdivided into 16 map sheets, each 15 minutes latitude by 30 minutes longitude and numbered 1 to 16 in an analogous manner to the lettering (for example, 104G/7). Finally each sheet is halved east and west for maps of the 1:50 000 series and each is described (for example, 104G/7E and 104G/7W).

This report proceeds by primary quadrangle from the southeastern part of the Province to the northwestern part. Within each primary quadrangle the order proceeds from A/1E to A/1W to A/2E, and sequentially to P/16E.

An index to published base maps and air photographs may be obtained from the Surveys and Mapping Branch, Map Production Division, Ministry of Environment.

SOURCES OF INFORMATION

A considerable amount of information in the following reports is supplied by mining and exploration companies. Partially completed forms are sent to explorers as a result of receipt of a completed Form 10–11, Notice of Work on a Mineral Property. The cooperation of explorers in completing the forms is gratefully acknowledged. This information is augmented by staff geologists then edited and assembled by Resource Data and Analysis and Publications Sections. Other information is gathered by forms submitted jointly by Mineral Economics Division of the Ministry and Statistics Canada.

Geological, geophysical, geochemical, drilling, and prospecting assessment reports contain a large amount of valuable information. The results of work presented in assessment reports that were submitted and accepted in 1980 are summarized and published herein. Assessment reports submitted and accepted after 1980, concerning properties for which exploration questionnaires have already been submitted to the Ministry, are entered as references on the property writeups until this manuscript is finalized for publication. Reports accepted in 1980 for work done in 1979 are not summarized if the work was previously reported on exploration questionnaires. Because of this policy not all assessment reports appear as references. Assessment reports are available for study or for duplication at cost one year after the date of their submission.

Geologists and engineers on the staff of the Mineral Resources Branch prepare reports on mineralized areas, deposits, and mines which may be extracted for this volume.

LOCATIONS

In this report a description of the property location is given as well as the latitude and longitude and NTS designation of the 1:50 000 map sheet in which the property lies. The latitude and longitude given is either the centre of the property or the area of major work. NTS designation is that of the main showing(s) or the majority of the claims. In cases where claims are located in more than one NTS sheet, several NTS designations are given.

NAME

Most often the name or names given to a property are those used for the Mineral Inventory. This is often the name by which the property was originally or formerly known (for example, Glacier Gulch, Magnum). Sometimes the name or names are those of one or more of the claims that constitute the group; occasionally a name is used which is derived from the name of the company owning the property (for example, Bralorne, Granisle). Where established to a reasonable degree of confidence, the Mineral Inventory number, which appeared after the property name in 1975, has been included with the references (for example, Mineral Inventory 82E/SE-1). Where practicable, all names of claims comprising a property are given under the heading 'claims'.

OWNERSHIP

Where possible the owner (or owners) of the claims reported is stated. For located claims the owner is taken directly from Ministry records at the time the manuscript is being prepared. Unrecorded bills of sale and outstanding option agreements sometimes make it impossible to determine the owner at a given date. For Crown grants, unless an extensive search is made, it is sometimes impossible to be certain of their ownership. Some Crown grants may be designated as one unit claims without lot numbers; some two-post claims also may be referred to as unit claims.

In instances when the operator (the company or individual for whom the work was done or who paid for it) is known but the owner is uncertain, then only the operator is recorded; when the owner is also the operator, then only the owner is recorded; and when the owner is not the operator and both are known, then both are recorded. Occasionally, a company name may be abbreviated rather than a search made for the full legal name.

INTRODUCTION

EXPLORATION

Exploration expenditures for metals increased dramatically from $53 810 829 in 1979 to $92 852 714 in 1980, a rise of 72.5 per cent. This increase is associated with second-stage detailed exploration programs and construction of new mines acquired in the new wave of grassroots investigations begun in 1977.

Exploration expenditures for coal continued to decrease slightly from $17 839 029 in 1979 to $15 533 812 in 1980. Activity was still concentrated in the Peace River Coalfield, but coal exploration and development were evident in all established coalfields within the Province.

Exploration expenditures for industrial minerals, structural materials, and placer rose dramatically in 1980 by 438 per cent from $284 193 in 1979 to $1 529 690 in 1980.

TABLE E–1. EXPLORATION AND DEVELOPMENT EXPENDITURES
1974, 1975, 1976, 1977, 1978, 1979, and 1980

	Physical Work and Surveys $	Administration Overhead Land Costs, Etc. $	Construction Machinery and Equipment, Other Capital Costs $	Totals $
Exploration on undeclared mines:				
Metals –				
1974	18 773 326	6 525 878	128 144	25 427 348
1975	16 366 152	5 298 367	442 327	22 106 846
1976	20 437 180	6 365 331	381 416	27 183 927
1977	19 097 099	6 974 231	106 059	26 177 389
1978	22 724 774	5 715 214	1 035 353	29 475 341
1979	42 789 552	10 438 163	583 114	53 810 829
1980	74 378 109	14 367 266	4 107 339	92 852 714
Coal –				
1974	3 450 746	884 849	18 958	4 354 553
1975	9 955 507	3 057 843	....	13 013 350
1976	9 234 269	3 678 893	....	12 913 162
1977	14 741 425	4 797 788	....	19 539 213
1978	15 289 351	4 511 572	....	19 800 923
1979	11 765 168	6 073 861	....	17 839 029
1980	9 830 425	5 703 387	....	15 533 812
Industrial Minerals, Structural Materials, and Placer –				
1974	42 706	11 134	....	53 840
1975	90 025	35 679	....	125 704
1976	73 453	47 760	....	121 213
1977	327 113	9 860	222 092	559 065
1978	342 100	117 180	....	459 280
1979	135 062	149 131	....	284 193
1980	1 340 398	189 292	....	1 529 690
Totals –				
1974	22 266 778	7 421 861	147 102	29 835 741
1975	26 411 684	8 391 889	442 327	35 245 900
1976	23 744 902	10 091 984	381 416	40 218 302
1977	34 165 637	11 781 879	328 151	46 275 667
1978	38 356 225	10 343 966	1 035 353	49 735 544
1979	54 689 782	16 661 155	583 114	71 934 051
1980	85 548 932	20 259 945	4 107 339	109 916 216

METALS EXPLORATION

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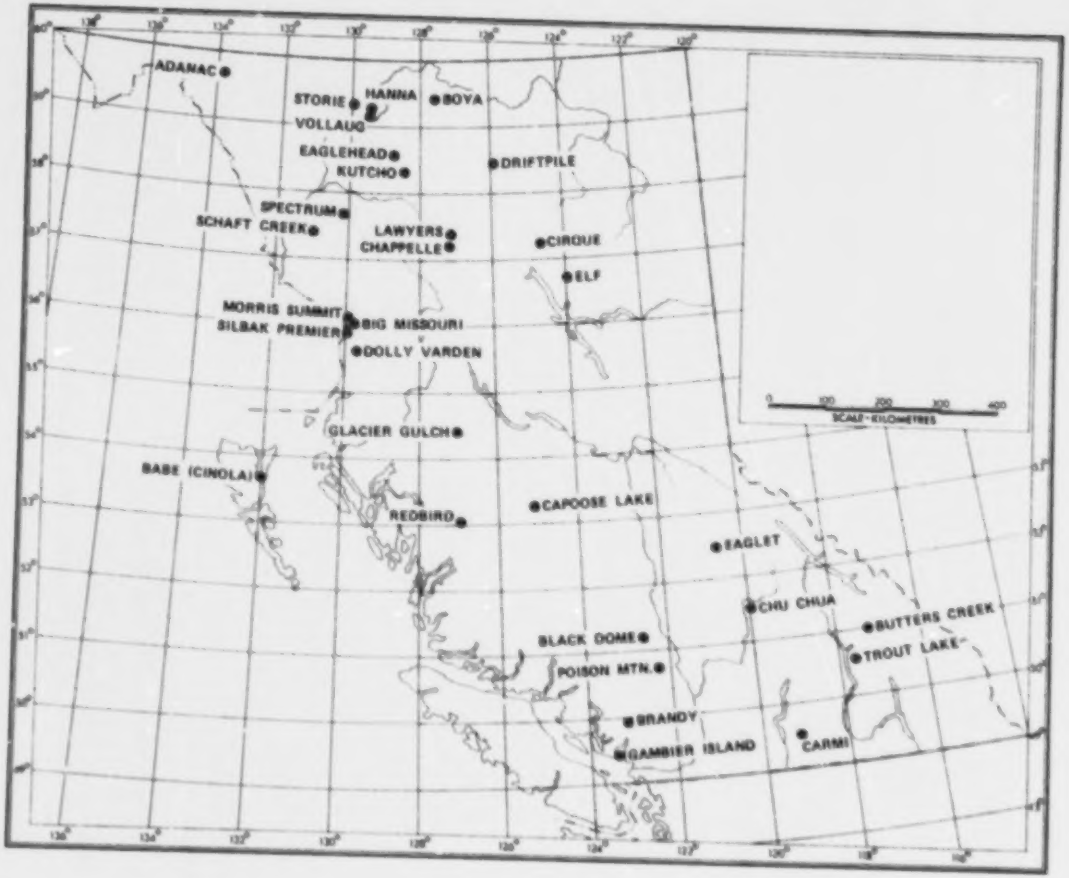
ADANAC
STORIE
HANNA
BOYA
VOLLAUG
EAGLEHEAD
KUTCHO
DRIFTPILE
SPECTRUM
SCHAFT CREEK
LAWYERS
CHAPPELLE
CIRQUE
ELF
MORRIS SUMMIT
SILBAK PREMIER
BIG MISSOURI
DOLLY VARDEN
GLACIER GULCH
BABE (CINOLA)
REDBIRD
CAPOOSE LAKE
EAGLET
CHU CHUA
BUTTERS CREEK
TROUT LAKE
BLACK DOME
POISON MTN.
BRANDY
GAMBIER ISLAND
CARMI
0
100
200
300
400
SCALE - KILOMETRES

Figure E–2. Major exploration properties, 1980

TABLE E-3. SUMMARY OF EXPLORATION EFFORT

NTS	No. of Properties	Geological Mapping	Geophysical Surveys							Geochemical Surveys				Surface Diamond Drilling		Other Drilling				Physical Work				
			Airborne		Ground																			
			No. of Surveys	Kilometres	No. of Surveys	Induced Polarization (kilometres)	Electromagnetic (kilometres)	Magnetometer (kilometres)	Radiometric (kilometres)	No. of Surveys	Soil (No. of samples)	Silt (No. of samples)	Rock Chip (No. of Samples)	No. of Properties	Metres	No. of Properties	Rotary (metres)	Percussion (metres)	Underground D.D. (metres)	Trenching (metres)	Stripping (square metres)	Underground (metres)	Roads (kilometres)	Linecutting (kilometres)
82/SE	21	7	1	...	7	...	30	615	...	5	966	37	17	4	5 284	...	...	27	...	100	...	...	5	63
82/SW	229	94	4	297	57	46	433	386	...	91	33 948	141	1 968	40	38 518	6	18	3 785	...	320	...	946	236	328
82/NW	126	60	2	356	37	177	193	172	...	51	26 774	1 143	2 196	22	11 681	4	925	2 985	...	...	...	...	...	...
82/NE	3	...	1	80	1	...	...	8	...	1	72	...	...	2	1 061	...	...	...	...	...	...	...	...	...
83/SW	2	...	2	828	...	...	...	...	...	...	...	...	...	1	990	...	...	...	...	...	...	...	...	...
92/SE	143	98	2	898	43	147	224	358	...	64	31 205	479	1 170	34	24 097	5	...	1 881	122	4 738	60	1 674	47	881
92/SW	83	29	3	402	15	31	101	82	...	39	15 088	289	715	17	11 496	2	...	982	...	875	125	...	...	308
92/NW	94	32	...	...	6	1	3	31	...	23	3 610	119	736	15	8 233	2	...	1 097	...	112	50	106	3	118
92/NE	270	129	9	1 865	100	662	788	792	172	142	51 838	1 041	2 021	31	37 657	36	492	64 078	2 023	8 744	20	1 700	131	1 682
93/SE	84	19	3	1 326	5	...	18	23	...	11	4 316	220	416	11	8 193	4	...	1 286	1 658	3 795	...	420	...	73
93/SW	33	13	...	...	22	87	39	391	...	22	10 138	43	623	14	16 084	1	...	1 734	...	398	...	...	2	288
93/NW	90	42	6	1 393	31	112	236	403	...	29	18 486	202	902	23	17 790	6	...	3 510	...	4 628	...	1 832	20	342
93/NE	8	4	...	...	2	...	...	11	...	6	734	20	187	2	1 429	...	...	...	...	...	...	...	...	6
94/SE	5	2	...	...	...	...	...	...	...	1	29	30	8	3	4 418	...	...	...	...	...	...	...	...	...
94/SW	117	81	5	1 386	14	...	78	111	...	77	37 615	2 505	1 513	17	30 641	...	...	...	...	895	...	...	...	147
94/NW	20	16	2	875	5	20	34	32	...	13	6 529	263	187	5	7 520	...	...	...	...	...	...	...	...	291
94/NE	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
103/SE	26	11	2	400	6	8	14	94	...	21	9 166	533	814	3	1 784	...	...	...	...	170	...	...	...	124
103/SW	43	10	1	250	13	...	332	...	...	29	15 043	530	1 389	4	12 297	...	...	...	...	71	...	70	3	224
103/NW	1	...	...	...	...	...	...	...	...	1	220	...	...	...	...	...	...	...	...	...	...	...	...	...
103/NE	49	33	...	...	3	15	...	6	...	26	2 944	532	810	7	5 571	2	...	600	3 472	182	...	1 474	7	102
104/SE	66	55	...	...	9	36	6	80	...	25	8 871	344	2 178	13	42 433	...	...	...	...	2 268	...	5 000	47	48
104/NW	44	28	1	485	5	...	237	60	...	17	12 565	80	611	8	10 348	...	...	...	...	300	...	...	6	85
104/NE	74	51	1	78	14	111	67	239	...	40	16 772	627	620	18	26 135	1	...	...	521	4 822	1 415	343	19	421
114/NE	2	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS	1 562	776	46	10 919	395	1 442	2 833	3 862	172	734	306 919	9 178	19 081	294	322 610	73	1 435	81 154	7 796	32 176	1 670	13 165	525	5 451
1979	652	251	17	7 038	235	714	806	1 399	939	364	1 420	57	6 211	170	157 814	53	4 384	34 933	4 736	37 879	10 923	6 668	110	2 709

REVIEW OF METALS EXPLORATION AND PROSPECTING

ACTIVITY IN METALS

The large increase in metals exploration activity is reflected in a number of statistical indicators. As well as the 72.5-per-cent increase in expenditures over 1979, the number of claim units recorded increased by 31 per cent to 72 621. Similarly, individual free miner certificates issued increased by 29 per cent to 18 840 and company free miner certificates increased by 55 per cent to 994 (Table E–2).

This increase in exploration activity is part of a trend that started in 1977 with initiation of a number of grassroots programs that have matured into more detailed programs in 1980. In addition, generally high metal prices and favourable currency exchange rates prevailed during 1980 resulting in higher profits and larger exploration budgets.

DISTRIBUTION OF EXPLORATION

The distribution of exploration activity is arranged by NTS quarter quadrangles and summarized in Table E–3. A summary of assessment reports is presented in Table E–4. Exploration and development work and expenditures submitted in assessment reports represent a portion of the total field expenditures.

Metals exploration in 1980 was more broadly based and widely distributed than in recent years (Fig. E–2 shows major exploration projects on properties during the year). The main surge was in the search for precious metals, molybdenum, tin, tungsten, and shale-hosted lead-zinc-barite deposits.

TABLE E–2

	1976	1977	1978	1979	1980
	$	$	$	$	$
Exploration expenditure[1]	27 183 927	26 177 389	29 475 341	53 810 829	92 852 714
Claims recorded (unit modified grid system)	28 970	37 151	37 242	55 252	72 621
Certificates of work	36 729	39 711	65 705	76 233	141 142
Free miners' certificates					
Individual	7 826	7 566	9 444	14 591	18 840
Companies	555	520	531	643	994
Number of properties	433	564	647	781	1 562
Total drilling (metres)[2]	97 277	110 303.6	154 177	216 962	412 995
Total geophysical surveys (kilometres)[2]	4 267	14 623.5	9 135.5	27 520	19 228

[1] Compiled by Mineral Economics Division

[2] Compiled by Geological Division

TABLE E–4. SUMMARY OF ASSESSMENT REPORTS

	1976	1977	1978	1979	1980
Value of work done (dollars)	7 100 000	7 600 000	11 100 000	6 500 000	36 000 000
Geological surveys	119	150	215	70	470
Geophysical surveys –					
Ground	115	159	221	126	260
Airborne	6	11	12	12	50
Geochemical surveys	153	198	282	126	650
Drilling –					
Surface (diamond)	120	94	123	63	240
Other (rotary, percussion, underground)	44	37	42	9	50
Prospecting	35	26	52	29	140
Number of assessment reports	439	427	522	506	1 250

Precious metals were the focus of most attention. In the Queen Charlotte Islands the Babe (Cinola) gold deposit has advanced through the preliminary feasibility stage. A 500-metre decline and crosscuts have been driven to allow underground drilling to commence. Pilot plant milling of the ore is planned. Consolidated Cinola Mines Ltd. and its partner Energy Reserves Canada Ltd. have announced reserves of 39 million tonnes of 1.84 grams per tonne gold. This Carlin-like deposit is estimated to contain at least 77 750 kilograms of micron-sized gold.

In the southern Coast Mountains, Northair Mines Ltd./Brandy Resources Inc. carried out a major underground program on the Silver Tusk property, Silver Tunnel zone on Brandywine Creek, in an effort to locate additional gold-silver reserves to extend Northair Mines Ltd.'s (Warman) operation a few kilometres to the north. Also Bralorne Resources Ltd. and E&B Explorations Ltd. have formed a joint venture to reexamine the old Bralorne mine west of Lillooet with the intent of reopening this former underground gold producer.

In the northern Coast Mountains at Alice Arm area, Dolly Varden Minerals Inc. has initiated a $1.2 million program to reopen three silver mines, the North Star in 1981 followed by Wolf 1 and 2. During 1980, underground development was carried out on the North Star and drilling on Wolf 1. Engineering and environmental studies are also well underway. In the Stewart area, the Big Missouri gold-silver deposit was again extensively tested with favourable results by underground drilling (44 holes) by Western Mines Ltd. under agreement with Tournigan Mining Exploration Ltd. Also Silbak Premier Mines Ltd. has committed approximately $750 000 to an underground exploration program aimed at reopening that former gold-silver mine.

In the northern Intermontane Belt, Serem Ltd. conducted a successful drilling program (18 holes) on the Lawyers gold-silver deposit adjoining DuPont of Canada Exploration Ltd.'s Baker mine in the Toodoggone River area. As a result of these two successes, intense exploration effort is planned in the area for epithermal gold deposits in 1981.

In the southern interior near Clinton, Blackdome Exploration Ltd. has completed another year's drilling (100 holes) on its small but high-grade gold-silver prospect.

Shale-hosted lead-zinc-barite deposits in the northern Rocky Mountains were one of the principal exploration targets again in 1980. Major drilling was undertaken at the Cirque (Cyprus Anvil Mining Corp./Hudson's Bay Oil and Gas Co. Ltd.) and Driftpile (Gataga Joint Venture) deposits. Estimated reserves for the Cirque deposit are 27.2 million tonnes of 7.9 per cent zinc, 2.3 per cent lead, and 51.3 grams per tonne silver. It appears that these deposits are of sufficient size and grade to be developed in the late 1980's, despite the remote location and lack of infrastructure.

Porphyry deposits were still a target of major exploration with the emphasis on molybdenum and precious-metal-bearing ores. In the Coast Mountains there were major drilling programs (53 holes) by Craigmont Mines Ltd. on the Red Bird molybdenum deposit and on the Redcap of Omni Resources Inc., a molybdenum-tungsten deposit at Mount Ogden near Tulsequah. The 20th Century Energy Corp. carried out extensive drilling of their porphyry copper-molybdenum deposit on Gambier Island in Howe Sound.

In the northern interior near Dease Lake, Nuspar Ltd. and Esso Minerals Canada Ltd. did further drilling on the Eaglehead copper property. Reserves are approximately 30 million

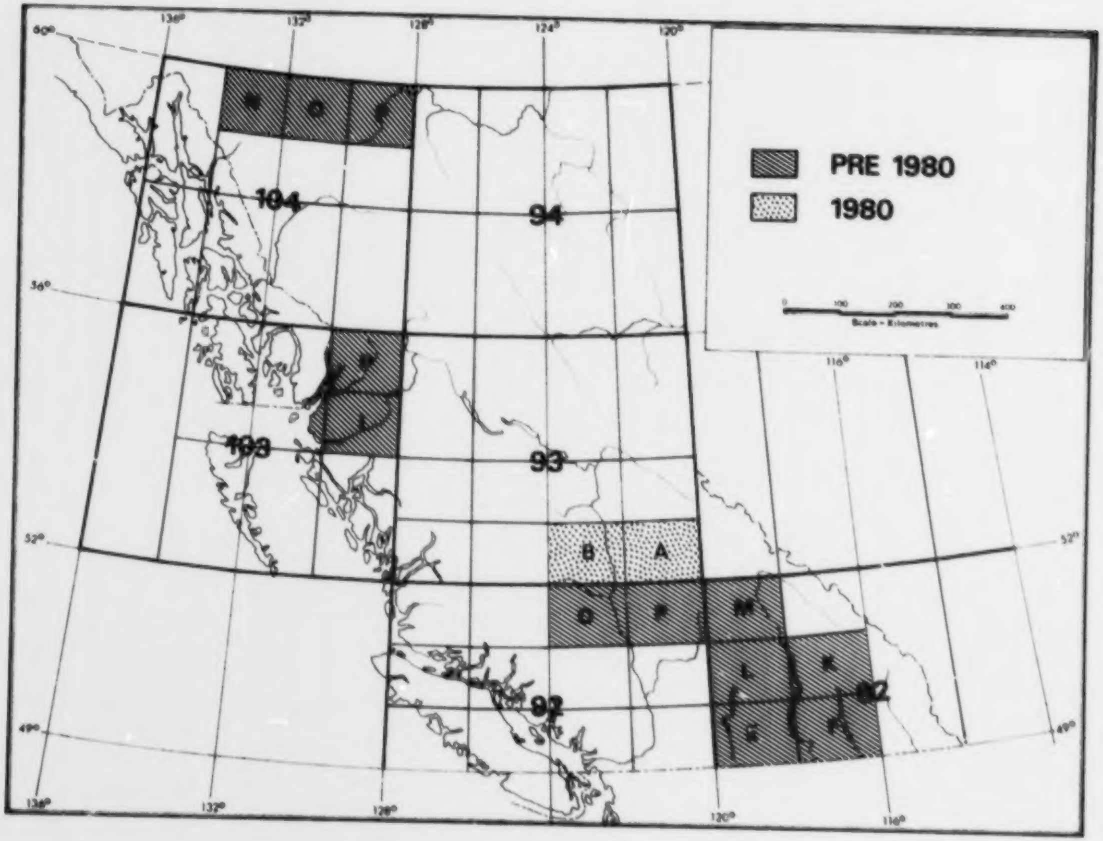
PRE 1980
1980
0
100
200
300
400
Scale – Kilometres
60°
56°
52°
49°
136°
132°
128°
124°
120°
116°
114°
104
94
103
93
92
82
A
B
O
P
M
L
K
G
F

Figure E–3. Reconnaissance geochemical surveys.

tonnes of 0.4 per cent copper. Shell Canada Resources Ltd. drilled the Storie molybdenum deposit at Cassiar. Texasgulf Canada Ltd. did further drilling on its Boya tungsten-molybdenum property near the Kechika River. A major drilling program (35 holes) was conducted on the Schaft Creek copper-molybdenum deposit by Teck Corp. with partners Silver Standard Mines Ltd. and Liard Copper Mines Ltd.

In the southern interior, Vestor Explorations Ltd. and Union Oil Co. of Canada Ltd. completed six deep holes on the Carmi molybdenum deposit which show that the Lake zone extends 330 metres below surface. Also Long Lac Mineral Exploration Ltd. carried out an aggressive exploration program in excess of $1 million on its Poison Mountain copper-gold-molybdenum property. Extensive drilling and metallurgical and feasibility studies are underway.

GOVERNMENT PROGRAMS TO ENCOURAGE EXPORATION

Regional geochemical surveys in selected areas involve the collection of stream sediments and waters at a sample site density of one per thirteen square kilometres. Waters are analysed for uranium and fluorine and sediments for up to 12 elements. The results are published on 1:250 000 map sheets. Figure E–3 shows that these surveys have covered approximately 20 per cent of British Columbia to date.

On-going geological programs include regional mapping in areas of mineral potential and studies directed to the better understanding of ore deposits.

Other programs include Prospectors' Assistance, funds for mineral roads, and mineral deposit land use studies.

MAJOR EXPLORATION ACTIVITY

The increase in major exploration programs is best shown by the fact that 33 properties completed programs exceeding 3 000 metres of drilling or 300 metres of underground development which has been used as a criteria of a major program. This contrasts with 16 in 1979 and 9 in 1978.

SMRB, KUTCHO (Sumac Mines Ltd.), 104I/1W – massive volcanogenic pyritic copper and zinc sulphide bodies occurring in saricite quartz schist; 3 792 metres of diamond drilling in 23 holes.

JEFF (Esso Resources Canada Ltd.), 104I/1W, 2E – massive sulphide deposits in volcanic rocks; 4 491.2 metres of diamond drilling in 4 holes plus wedged holes.

ADANAC, ADERA (Adanac Mining and Exploration Ltd.), 104N/11W – molybdenum porphyry deposit in fractures and quartz veins in members of the Surprise Lake batholith; 4 858.5 metres of diamond drilling in 27 holes.

LIARD COPPER, NABS (Teck Explorations Ltd.), 104G/6E, 7W – copper and molybdenum porphyry deposit in highly altered andesitic pyroclastic and porphyry dyke rocks; 14 522.5 metres of diamond drilling in 45 holes.

KLASTLINE, KONA (Newhawk Gold Mines Ltd.), 104G/9W – gold in quartz veins with pyrite, sphalerite, and arsenopyrite; 665 metres of underground development (underground adit 235 metres and underground diamond drilling 430 metres).

CORNUCOPIA, TAURUS (Taurus Resources Ltd.), 104P/5E – gold with pyrite in fractures cutting andesite and tuffs of the Sylvester Group of Devonian age; 343.1 metres of underground development.

NABS, BIRD, SNO, HICKS (Teck Corp.), 104G/6E, 7W – chalcopyrite, bornite, and molybdenite in strongly fractured pyroclastic rocks (Late Triassic age); 14 513.23 metres of diamond drilling in 45 holes.

STORIE (Casmo Mining Ltd.), 104P/4W – molybdenum porphyry deposit in quartz monzonite stock that lies along the eastern contact of the Cassiar batholith; 5 940 metres of diamond drilling in 21 holes.

SCOTTIE, SALMON GOLD (Scottie Gold Mines Ltd.), 104B/1E – gold, mainly associated with pyrrhotite-rich lenses occurring along northwest-striking faults and easterly striking faults; 2 347 metres of tunnelling.

GOAT, KEN, NORDORE (Nor-Quest Resources Ltd. and Guaranty Trust Co. of Canada Ltd.), 104A/4E – silver, gold, lead, zinc, and iron in carbonate and quartz vein systems located on the east flank of the Coast Range batholith of Jurassic/Cretaceous age; 300 metres of underground development.

ROBB LAKE (Texasgulf Canada Ltd.), 94B/13 – lead and zinc mineralization in dolomitized Devonian carbonate rocks; 3 502.7 metres of diamond drilling in 10 holes.

ELF (Cyprus Anvil Mining Corp.), 94F/7 – bedded barite, lead, zinc, and silver with black shales of the Gunsteel Formation; 4 101 metres of diamond drilling in 10 holes.

CIRQUE (Cyprus Anvil Mining Corp.), 94F/6E, 11E – massive stratiform barite-pyrite-sphalerite-galena deposits in black shales of the Upper Devonian Gunsteel Formation; 10 592 metres of diamond drilling in 27 holes.

BABE (Consolidated Cinola Mines Ltd.), 103F/9W – gold in rhyolite and silicified sedimentary rocks adjacent to the Sandspit fault system; 10 000 metres of diamond drilling in 70 holes.

EDYE PASS, SURF POINT (Banwan Gold Mines Ltd.), 103J/2E – pyrite and chalcopyrite quartz veins containing gold and silver; 3 472 metres of underground diamond drilling in 50 holes and 409 metres of underground development.

DOLLY VARDEN (Dolly Varden Minerals Inc.), 103P/12E – silver and lead mineralization in a vein-shaped replacement deposit occurring in fragmental volcanic rocks of the Hazelton Group; 1 064.9 metres of underground development.

RED BIRD (Ashfork Mines Ltd.), 93E/6E, 7W – molybdenum porphyry deposits with mineralization around the periphery of a Tertiary quartz monzonite stock; 5 000 metres of diamond drilling in 24 holes.

WHITING CREEK [Kennco Explorations, (Western) Ltd.], 93E/11, 14E – copper and molybdenum in quartz stockwork in Hazelton hornfels and aplitic quartz porphyry; 2 410 metres of diamond drilling in 8 holes and 1 734 metres of percussion drilling in 22 holes.

CAPOOSE, NED, D (Granges Exploration Aktiebolag), 93F/6E – zinc, lead, silver, and gold in rhyolite; 3 376.1 metres of diamond drilling in 17 holes.

TOPLEY RICHFIELD (RED TOP) (F. B. Whiting), 93L/9W – gold, silver, lead, zinc, cadmium, and copper occur as bedded volcanogenic mineralization within a sequence of layered felsic fragmental volcanic tuffs and andesite of the Hazelton Formation; 5 354 metres of diamond drilling in 28 holes.

AJAX–MONTE CARLO (Cominco Ltd.), 92I/9W – copper mineralization mainly in the form of chalcopyrite in fractures of the Sugarloaf and Hybrid units of the Iron Mask batholith; 14 347 metres of percussion drilling in 190 holes.

MB (20th Century Energy Corp.), 92G/6, 11W – large discontinuous arcuate zone of mineralized rock containing copper, silver, and molybdenum in or near a quartz porphyry stock; 4 121 metres of diamond drilling in 21 holes.

BRANDYWINE, SILVER TUSK (Brandy Resources Inc.), 92J/3E – silver, lead, zinc, and gold mineralization in fractured quartz veins; 4 000 metres of drilling.

POISON MOUNTAIN (Homestake Mineral Development Co.), 92O/2E – copper, molybdenum, gold, and silver in fractures associated with feldspar porphyry intrusive rocks (Tertiary ?) and sedimentary rocks (Jurassic/Cretaceous); 15 277 metres of percussion drilling in 184 holes and 6 803 metres of diamond drilling in 29 holes.

BLACKDOME (Blackdome Exploration Ltd.), 92O/7E, 8W – minor fine-grained pyrite, native gold, and very minor silver sulphosalts in zones of tension fractures; 6 110.2 metres of diamond drilling in 64 holes.

HIGHLANDER (AINSWORTH), UNION, PEANUT BUTTER (David Minerals Ltd.), 82F/10W – copper, lead, zinc, and silver in vein intersections, principally in the Highlander vein system, 3 120.8 metres of diamond drilling in 41 holes.

STEEPLES (CEDAR) (R. H. Stanfield), 82G/6, 11W – vein and replacement zones of mineralization containing copper, lead, silver, gold, and zinc in Aldridge and Creston quartzite; 3 934.7 metres of diamond drilling in 4 holes.

CHARLESTON, WELLINGTON, MAYFLOWER (Ryan Exploration Co. Ltd.), 82K/3E – lead, zinc, and silver in and near the contact of Slocan sedimentary rocks and Kaslo phyllites and schists; 500 metres of underground development.

MOLLIE HUGHES (Denver Silver Inc.), 82K/3W – gold, silver, lead, and zinc mineralization in a vein system within porphyritic granite and granodiorite of the Nelson batholith; 410 metres of underground development.

TROUT LAKE, LUCKY BOY, COPPER CHIEF (Newmont Mines Ltd.), 82K/12E – molybdenum in stockwork within a small granodiorite plug intruding argillite, phyllite, siliceous schists, and carbonates; 1 305 metres of underground development.

FUKI, DONEN (PNC Exploration Canada Co. Ltd.), 82E/10W – secondary uranium minerals in sandstone-conglomerates concentrated in paleochannels; 6 155.7 metres of diamond drilling in 114 holes.

IDAHO, AURUM (Carolin Mines Ltd.), 92H/11W – gold-silver mineralization in replacement zones in Ladner slates; 2 374 metres of underground development, 2 adits, totalling 815 metres and 875 metres, ramp 873 metres.

OK, ALWIN (DeKalb Mining Corp.), 92I/6E – copper, silver, and gold in vertical mineralized alteration zones which lie within homogeneous Bethsaida granodiorite of the Guichon Creek batholith; 1 700 metres of underground development.

SOUTHEAST BRITISH COLUMBIA
(NTS Division 82 and part of 83)

PENTICTON 82E

MOLLY GIBSON (Fig. E-1, NTS 82, No. 359)

LOCATION: Lat. 49° 10′ Long. 118° 07′ (82E/1E)
GREENWOOD M.D. Fourteen kilometres northeast of the community of Christina Lake, covering the headwaters of Josh Creek and Mollie Creek.

CLAIMS: PV (1 unit), PV NO. 1 (2 units), MOLLY GIBSON (3 units), WHITE SWAN (1 unit), ADASTRA (2 units), ADASTRA NO. 2 (2 units), ADASTRA NO. 3 (1 unit).

OWNER: Herman Hoehn.

OPERATOR: GEOKOR ENERGY HOLDINGS LTD. and NUSUN DRILLING LTD., 908 West Seventh Avenue, Vancouver V5Z 1C3.

METALS: (Gold, silver, iron, copper).

DESCRIPTION: Mount Roberts Formation (Pennsylvanian/Permian) limestone and altered and silicified limy and argillaceous sedimentary rocks, dipping 45 degrees to 75 degrees easterly, are cut by several diorite and syenite dykes. Pyrite, pyrrhotite, galena, and sphalerite occur in weak, discontinuous lenses within well-altered sedimentary rocks. Old workings have produced minor amounts of ore.

WORK DONE: Diamond drilling, one AEX hole totalling 31.64 metres, on Adastra No. 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 1, Aiken Lake Area, North-Central British Columbia, 1940, p. 80; Assessment Report 8811.

ALBION, CASCADE, BERLIN (Fig. E-1, NTS 82, No. 01)

LOCATION: Lat. 49° 11.5′ Long. 118° 04′ (82E/1E)
TRAIL CREEK M.D. Eighteen kilometres northeast of the community of Christina Lake, at the headwaters of Iron Creek.

CLAIMS: IRON (6 units), DEN 1 to 8, EMPIRE 1 to 5, PERKY 1 to 8, NUGGET 1 to 8, LUCK 1 to 4, HANS Fraction plus ALICE L (Lot 4331), CASCADE (Lot 5000), CALIFORNIA (Lot 5001), ROYAL KANGAROO (Lot 5002), BONANZA (Lot 5003), OUR HOPE (Lot 5004), DUBROYNIK (Lot 5436), NEW BONANZA (Lot 5717), BONANZA NO. 2 (Lot 5718), GLENDALE (Lot 11137), BERLIN (Lot 11157), ALBION NO. 2 (Lot 12489), ALBION FR. (Lot 12491), A&G FR. (Lot 14469).

OWNER: Consolidated Boundary Exploration Ltd.

OPERATOR: PRECAMBRIAN SHIELD RESOURCES LTD., 11th Floor, Petroleum Plaza, 9945 – 108th Street, Edmonton, Alberta T5K 2G6.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: Greenstones of the Rossland Group are intruded by the Nelson granitic rocks. North-striking fissures contain quartz and iron, lead, zinc, and copper sulphides.

WORK DONE:	1979 – diamond drilling, 8 holes totalling 1 006 metres, on Albion 2, Albion Fr., Alice L, and Berlin.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 20, Pt. III, p. 9; *Minister of Mines, B.C.*, Ann. Rept., 1936, pp. E21, E23; 1962, pp. A47, 70; 1964, pp. A53, 113; Assessment Report 8416; Mineral Inventory 82E/SE-84, 85, 86.

LITTLE BERTHA, PATHFINDER (Fig. E-1, NTS 82, No. 360)

LOCATION:	Lat. 49° 11.5′ Long. 118° 25′ (82E/1W) GREENWOOD M.D. Approximately 20.5 kilometres north of Grand Forks; the claims are surrounded by Hornet Creek on the south, Pathfinder Creek on the north, and Granby River on the west.
CLAIMS:	PATHFINDER (Lot 782), LITTLE BERTHA (Lot 959), LONDON (Lot 2234), IRON BELL FR. (Lot 93S), JASPER FR. (Lot 3029S), LONE STAR FR. (Lot 1446S), CHRISTINA (Lot 1350), DERBY (Lot 2233), DIAMOND HITCH (Lot 1684), LUCKY 1 to 4, PATH 1 to 8.
OWNER:	G. Nakade.
OPERATOR:	ARIES RESOURCES INC., 501, 580 Granville St., Vancouver V6C 1W8.
METALS:	Copper, gold, silver, lead.
DESCRIPTION:	The oldest rocks are pyritic cherts and andesites with dacites of the Anarchist Group. These are intruded by various phases of the Nelson intrusions including quartz diorite, granodiorite, alaskite, diorite, dacite, andesite, and rhyodacite. Feldspar porphyritic monzonite of the Coryell intrusions is the youngest rock.
WORK DONE:	Geological mapping, 1:5000, covering all claims; ground magnetometer survey, 17.15 kilometres; diamond drilling, 3 BQ holes totalling 275.1 metres, on Little Bertha.
REFERENCES:	*Minister of Mines, B.C.*, Ann. Rept., 1966, p. 197; Assessment Report 8945; Mineral Inventory 82E/SE-74, 75.

HEK (Fig. E-1, NTS 82, No. 361)

LOCATION:	Lat. 49° 12′ Long. 118° 29′ (82E/1W) GREENWOOD M.D. Approximately 7 kilometres west-southwest of the junction of Miller Creek and Cameron Creek.
CLAIMS:	HEL (16 units), HEK (9 units).
OWNER:	Consolidated Boundary Exploration Ltd.
OPERATOR:	ARIES RESOURCES INC., 501, 580 Granville Street, Vancouver V6C 1W8.
METALS:	Gold, iron, copper.
DESCRIPTION:	The property is underlain chiefly (90 per cent) by uniform, medium-grained Coryell hornblende-biotite monzonite. Included in the monzonite are limited pendants of Anarchist andesite, altered diorite, chert, rhyolite, and trachytes. Augite syenite, with granite, lamprophyre, quartz syenite, and alaskite, occurs in local bodies, age uncertain. Pyrite-pyrrhotite occurs in andesite and lamprophyre.
WORK DONE:	Geological mapping, 1:5000 and 1:1000; ground magnetometer survey and ground electromagnetic survey, 5.4 kilometres each, covering both claims.
REFERENCES:	Mineral Inventory 82E/SE-72, 179; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 18; Assessment Report 6130.

TAM O'SHANTER, IVA LENORE (Fig. E-1, NTS 82, No. 367)

LOCATION: Lat. 49° 05′ Long. 118° 45′ (82E/2)
GREENWOOD M.D. Approximately 10 kilometres northeast of Midway, lying 4.5 kilometres west of the junction of Motherlode Creek and Boundary Creek.

CLAIMS: MOTHER (8 units), LODE (6 units), HOT (8 units), TAM (6 units), SHANTER (16 units), BUCK (8 units), WET (6 units), LITTLE BUFFALO FR. (Lot 1717), GOLD BUG NO. 2 (Lot 1718), TAM O'SHANTER (Lot 2405), MONTROSE FR. (Lot 2654), VICEROY FR. (Lot 1722), IVA LENORE (Lot 1262), SALAMANCO FR. (Lot 2902), ARLINGTON FR. (Lot 1110), NO. 9 (Lot 882S).

OWNER: ONEIDA RESOURCES CORP., 1200, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Copper, molybdenum, gold, silver.

DESCRIPTION: The rocks consist of basal Kettle River Formation (Tertiary) argillaceous and tuffaceous sediments and dacite underlain by Knob Hill cherty metamorphic rocks and granodiorite.

WORK DONE: Diamond drilling, 3 holes, totalling 658 metres, on Shanter.

REFERENCES: Mineral Inventory 82E/SE-130; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 381; 1973, p. 37; 1974, p. 33; Assessment Reports 1878, 5023, 8795.

MAY ALICE (Fig. E-1, NTS 82, No. 37)

LOCATION: Lat. 49° 07′ Long. 118° 45′ (82E/2)
GREENWOOD M.D. Six kilometres west of Greenwood, from Deadwood Creek to south of Motherlode Creek.

CLAIM: DEADWOOD ONE (20 units).

OWNER: J. C. Stephen.

OPERATOR: J. C. STEPHEN EXPLORATIONS LTD., 1124 West 15th Street, North Vancouver V7P 1M9.

METAL: Copper.

DESCRIPTION: The claim is underlain by volcanic rocks of the Marron Formation, coarse clastic rocks of the Kettle River Formation, and syenite, diorite, and pulaskite dyke intrusive rocks.

WORK DONE: Geological mapping, 1:10 000; geochemical survey, 227 soil samples analysed for gold and arsenic, covering Deadwood One.

REFERENCES: Mineral Inventory 82E/SE-197, *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 227; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 18; Assessment Report 7919.

SAPPHO (CABIN) (Fig. E-1, NTS 82, No. 16)

LOCATION: Lat. 49° 00.5′ Long. 118° 42′ (82E/2E)
GREENWOOD M.D. Five kilometres south of Boundary Falls on Norwegian Creek.

CLAIMS: PT 1 (2 units), AFTON (16 units), INGERBELLE (16 units), SAPHO 1 and 2.

OWNERS: K. L. DAUGHTRY, Box 795, Vernon and G.O.M. STEWART, Box 130, Greenwood.

METALS: Copper, silver, platinum.

DESCRIPTION: Fracture-controlled pyrite and chalcopyrite occur in intensely altered alkaline porphyry.
WORK DONE: Geological reconnaissance mapping; backhoe trenching and opening old tunnels and shafts, on PT 1.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1927, p. 234; 1964, p. 110; 1967, p. 226; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E12; Assessment Report 3335; Mineral Inventory 82E/SE-147.

NO. 7 (Fig. E-1, NTS 82, No. 3)

LOCATION: Lat. 49° 02′ Long. 118° 38′ (82E/2E)
GREENWOOD M.D. Fifteen kilometres west of Grand Forks, 1 kilometre north of Rusty Mountain.
CLAIMS: ROB ROY (Lot 1153), NO. 7-1 to 7-4, 7-5 Fraction, 7-6, 7-7 Fraction and 7-8.
OWNERS: DAVID N. MOORE and TED McARTHUR, Box 258, Greenwood V0H 1J0.
METALS: Gold, silver, lead, zinc.
DESCRIPTION: A narrow quartz vein strikes just south of east and dips to the north at about 40 to 43 degrees. The hangingwall is siliceous argillite. The footwall is a serpentine schist but at times a diorite dyke lies between the vein and the footwall.
WORK DONE: Prospecting and 8 trenches totalling 61 metres, on 7-1 and 7-2; cleaning out old shaft with a backhoe, on Rob Roy.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E16, E17; 1979, p. 14; Mineral Inventory 82E/SE-43.

VIEW (Fig. E-1, NTS 82, No. 363)

LOCATION: Lat. 49° 03′ Long. 118° 31′ (82E/2E)
GREENWOOD M.D. Five kilometres northwest of Grand Forks, situated approximately midway between July Creek and the Granby River.
CLAIM: VIEW (4 units).
OWNER: Pete A. Koochin.
OPERATOR: PRECAMBRIAN SHIELD RESOURCES LTD., 1460, 540 Fifth Avenue SW., Calgary, Alberta T2P 0M2.
METALS: (Tungsten, lead, copper).
DESCRIPTION: Latitic rocks are cut by granitic rocks and bounded by greenstone and limestone. Some brecciation is evident. Variable amounts of pyrite, galena, chalcopyrite, and scheelite occur in quartz veins. Scheelite is also associated with a garnet zone in greenstone.
WORK DONE: 1979 – geological mapping; geochemical survey, 168 soil samples analysed for copper, lead, tungsten, and gold, covering View.
REFERENCE: Assessment Report 8802.

SET (Fig. E-1, NTS 82, No. 18)

LOCATION: Lat. 49° 03′ Long. 118° 37′ (82E/2E)
GREENWOOD M.D. Ten kilometres south-southeast of Greenwood on the south side of Mount Attwood.
CLAIMS: SET 1 (16 units), SET 4 (4 units), SET 5 (12 units).
OWNER: M. BOE, 14, 1091 Broughton Street, Vancouver V6G 2H9.
WORK DONE: Percussion drilling, 70 holes totalling 85.34 metres, on Set 1.
REFERENCES: Assessment Reports 5872, 6958.

SKOMAC (Fig. E-1, NTS 82, No. 17)

LOCATION: Lat. 49° 03′ Long. 118° 42′ (82E/2E) GREENWOOD M.D. Four kilometres south-southwest of Greenwood, 2 kilometres north-northwest of Boundary Falls on the west side of Boundary Creek.

CLAIMS: MAY MAC (12 units) and Mineral Leases M-430 (Lot 644) and M-423 (Lots 1680, 389, 426, and 1019).

OWNER: ROBERT MINES LTD., 4793 Commercial Drive, Vancouver V5N 4G8.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: The deposit is a pinching and swelling quartz vein occupying a shear striking generally northwest and dipping to the northeast. Mineralization consists of pyrite, galena, sphalerite, and argentite.

WORK DONE: Crosscutting and drifting, 70 metres; test holes, 80 metres, on Lots 389 and 644.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 426; Exploration in B.C., 1978, p. E 18; 1979, p. 15; Geological Fieldwork, 1976, pp. 9, 10; Mineral Inventory 82E/SE-172-174.

KENO (Fig. E-1, NTS 82, No. 14)

LOCATION: Lat. 49° 03.5′ Long. 118° 35′ (82E/2E) GREENWOOD M.D. Seven kilometres southeast of Greenwood, 5 kilometres west of Hardy Mountain.

CLAIMS: PAT 1 to 6, JOE 1 to 10, KENO (Lot 1319), OPHIR (Lot 1066), SIBLEY, KENO EXT., EVENING STAR (Mineral Lease M-284).

OWNER: TRI BASIN RESOURCES LTD., 1503, 750 West Pender Street, Vancouver V6C 2T8.

METALS: Copper, (gold, silver).

DESCRIPTION: The Evening Star claim is underlain in part by volcanic tuffs and flows of Triassic age which have been intruded by younger granitic rocks. Considerable skarn, mostly developed within the volcanic rocks, contains scattered chalcopyrite and locally magnetite. On the Keno and Ophir Crown-granted claims to the north are two quartz veins cutting the host volcanic rocks at an angle of about 45 degrees to each other. Gold and silver values in the quartz are accompanied by minor quantities of pyrite and occasionally chalcopyrite.

WORK DONE: Control survey and sampling, 1:500, covering Evening Star, Keno, and Ophir; diamond drilling, 9 BQ holes, totalling 300 metres, on Ophir.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 161; *B.C. Ministry of Energy, Mines & Pet. Res.*, Ann. Rept., 1967, p. 231; Assessment Report 8985; Mineral Inventory 82E/SE-192.

RATTLER, OKUM (Fig. E-1, NTS 82, No. 6)

LOCATION: Lat. 49° 04′ Long. 118° 38′ (82E/2E) GREENWOOD M.D. Approximately 5 kilometres southeast of Greenwood on the northwest flank of Mount Attwood, with Lind Creek running through the northern part of property.

CLAIMS: OKUM 1 to 18, RATTLER (Lot 1265).

OWNER: G. O'Brien.

OPERATOR: MARCH RESOURCES LTD., 1620, 701 West Georgia Street, Vancouver.

METALS: (Lead, zinc, copper).

DESCRIPTION: The underlying rocks are greywacke, greenstone, limestone, and paragneiss of the Anarchist Group (Permian). Pyrite, minor galena, sphalerite, and arsenopyrite are disseminated in the rocks, shear zones, and quartz veins.

WORK DONE: Geochemical survey, 289 soil and 11 silt samples analysed for copper, lead, silver, and gold; 5 rock samples analysed for silver and gold, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 161; *B.C.. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 15; Assessment Reports 1232, 4750, 7296, 8255; Mineral Inventory 82E/SE-161.

ERIN (Fig. E-1, NTS 82, No. 5)

LOCATION: Lat. 49° 04' Long. 118° 39' (82E/2E)
GREENWOOD M.D. Four kilometres southeast of Greenwood.

CLAIM: ERIN (12 units).

OWNER: George O'Brien.

OPERATOR: ARBOR RESOURCES CORP., 1830, 700 West Georgia Street, Vancouver.

DESCRIPTION: The few outcrops on the claim consist of andesite, basalt, and limestone locally altered to skarn.

WORK DONE: Prospecting, 1:5000, covering Erin.

REFERENCE: Assessment Report 7878.

GOLDEN CROWN, WINNIPEG (Fig. E-1, NTS 82, No. 7)

LOCATION: Lat. 49° 05' Long. 118° 35' (82E/2E)
GREENWOOD M.D. Eleven kilometres west-northwest of Grand Forks and south of Phoenix, between Snowshoe and Skeff Creeks.

CLAIMS: WINNIPEG (Lot 599), GOLDEN CROWN (Lot 600), HECLA (Lot 859), CALUMET (Lot 1314), SISSY (Lot 1068), JOE JOE (Lot 7595), HARD CASH (Lot 1062), NABOB FR. (Lot 1063), WAR CLOUD (Lot 1316), WILLIE Fraction, CROWN Fraction, MURRAY FR. (Lot 718), SILVER STAR (Lot 1550), J&R FR. (Lot 1059), HARTFORD (Lot 1057), HARTFORD FR. (Lot 1061), CROWN 1 to 19, NELLIS COTTON, HIP Fraction, STAR Fraction.

OWNER: Consolidated Boundary Exploration Ltd.

OPERATOR: MURDEE MINES LTD., 501, 580 Granville Street, Vancouver V6C 1W8.

METALS: Gold, silver, copper.

DESCRIPTION: The mineralization occurs in 0.5-metre to 2.0-metre-wide quartz-pyrrhotite-pyrite-chalcopyrite veins which commonly have an east-west strike and a steep dip. The host rocks are andesitic lavas and tuffs exhibiting lower greenschist facies metamorphism into which have been intruded extensive flat-lying bodies of diorite and serpentinite.

WORK DONE: Geological mapping, covering J&R; geological mapping, underground, on Golden Crown; diamond drilling, 18 BQ holes, totalling 1 692.9 metres, on Winnipeg and Golden Crown.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1897, p. 595; 1899, p. 763; 1967, p. 230; 1968, p. 232; Assessment Reports 8482, 8851; Mineral Inventory 82E/SE 32, 33.

OB (Fig. E-1, NTS 82, No. 12)

LOCATION: Lat. 49° 05' Long. 118° 38' (82E/2E)
GREENWOOD M.D. South and southeast of Greenwood, north and east of Anaconda, on the north side of Lind Creek.

CLAIMS: OB (15 units), TWIN (Lot 819), CONNECTION FR. (Lot 3131), MARJORIE (Lot 2088), TRILBY (Lot 988), CLIPPER FR. (Lot 1102), MOUNTAIN VIEW (Lot 1100).

OWNER: VISCOUNT RESOURCES LTD., 710, 475 Howe Street, Vancouver V6C 2B3.

WORK DONE: Airborne magnetometer survey, ground magnetometer survey, ground electromagnetic survey, 20 kilometres, covering all claims.

REFERENCES: Assessment Reports 6694, 6958, 8745.

PRINCE HENRY (Fig. E-1, NTS 82, No. 8)

LOCATION: Lat. 49° 05' Long. 118° 40' (82E/2E)
GREENWOOD M.D. Immediately west of Greenwood.

CLAIM: PRINCE HENRY (Lot 2636).

OWNER: GUY ALLEN, Box 7248, Station E, Calgary, Alberta.

METALS: (Gold, silver).

WORK DONE: Prospecting.

REFERENCES: Mineral Inventory 82E/SE-4; *Minister of Mines, B.C.*, Ann. Repts., 1905, p. 180; 1906, pp. 159, 250, 254; 1914, p. 334; 1917, p. 203; 1924, p. 168; 1925, p. 197; Assessment Report 8422.

SKYLARK, LAST CHANCE (Fig. E-1, NTS 82, No. 10)

LOCATION: Lat. 49° 05.5' Long. 118° 38.5' (82E/2E)
GREENWOOD M.D. Three kilometres east of Greenwood on Twin Creek.

CLAIMS: LARK 1 (3 units), LARK 2, LARK 3 FR., LARK 4, LARK 5 (1 unit each), SKYLARK (Lot 763), ARCADIA (Lot 3135), IRON CAP (Lot 1574), TRIUMVIRATE FR. (Lot 1777), SILVER KING (Lot 1097), HOPE NO. 2 (Lot 1849), MEADOW LARK (Lot 1712), DENVER (Lot 764), SMILAX FR. (Lot 1064), SILVER CLOUD (Lot 1218), SILVER CLOUD FR. (Lot 454S), BILLY FR. (Lot 999) ASTORIA (Lot 3134), LAST CHANCE (Lot 753).

OWNER: H. H. SHEAR, 930, 625 Howe Street, Vancouver V6C 2T6.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: Few outcrops in much overburden indicate a contact zone between Anarchist (Permian) pyritic greenstone and granodiorite intrusive rocks.

WORK DONE: Geochemical survey, 319 soil samples analysed for gold, silver, antimony, lead, zinc, molybdenum, nickel, and copper, covering Skylark, Arcadia, Iron Cap, Triumvirate Fr., Silver King, Hope No. 2, Meadow Lark, Silver Cloud, Billy Fr., Astoria, and Last Chance; trenching, 53.3 kilometres, on Meadow Lark.

REFERENCES: Mineral Inventory 82E/SE-4, 11; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, pp. 33, 34; Exploration in B.C., 1979, p. 16; Assessment Reports 542, 1819, 5181, 8396.

LEXINGTON **(Fig. E-1, NTS 82, No. 4)**

LOCATION: Lat. 49° 07′ Long. 118° 36.9′ (82E/2E)
GREENWOOD M.D. Eleven kilometres southeast of Greenwood, just east of Rusty Mountain at the head of Goosmus Creek.

CLAIMS: NO. 5 (Lot 1878), MARIA STUART (Lot 868), CITY OF PARIS (Lot 622), LINCOLN (Lot 621), NO. 4 (Lot 791), CITY OF VANCOUVER (Lot 2013), LEXINGTON (Lot 645), CITY OF DENVER (Lot 1161), NOTRE DAME DES MINES FR. (Lot 1095), ORO (Lot 614), ORO FR. (Lot 1096), PUYALLUP (Lot 1152), GOLDEN CACHE FR. (Lot 995), ST. LAWRENCE (Lot 595), NEW JACK OF SPADES (Lot 2804), EXCELSIOR (Lot 2609), CUBA (Lot 1650), HOLLY 12, HOLLY 1, HOLLY 3.

OWNER: GRENOBLE ENERGY LTD., 1015, 470 Granville Street, Vancouver V6C 1V5.

METALS: Copper, gold, silver, lead, zinc.

DESCRIPTION: A pipe-like deposit occurs in a complex dacite intrusive adjacent to its contact with serpentine rock. The mineralized pipe is approximately 15 metres in diameter and plunges easterly with the contact. The dacite is closely foliated. There is considerable distortion and local brecciation. Mineralization consists of chalcopyrite, pyrite, free gold, quartz, and minor molybdenite in foliations or in vein-like masses.

WORK DONE: Adit tunnel, 111 metres; two raises, 23.5 metres; underground diamond drilling, 1 089 metres, on Lexington; seismic survey, 6 lines, 1 000 metres, on City of Denver.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, pp. 413-425; Exploration in B.C., 1975, p. E 13; Assessment Reports 1175, 3536, 5378, 8461; Mineral Inventory 82E/SE-41.

GREYHOUND **(Fig. E-1, NTS 82, No. 365)**

LOCATION: Lat. 49° 07′ Long. 118° 41′ (82E/2E)
GREENWOOD M.D. Approximately 4.5 kilometres west-northwest of Greenwood.

CLAIMS: NM 1, 6 Fraction, MT 1 to 3, 11 Fraction, 12 Fraction, 14 Fraction, 15 Fraction, BIRTHDAY Fraction, TORONTO, RAGNAROCK FR. (Lot 1224S), HARDSCRABBLE (Lot 2516), GREYHOUND (Lot 1014), BUTTE CITY (Lot 1230).

OWNER: MASCOT MINES AND PETROLEUMS LTD., 900, 837 West Hastings Street, Vancouver V6C 1B6.

METALS: Copper, gold, silver.

DESCRIPTION: The property is underlain by chert, quartzite, andesite, and andesite tuff of Permian Knob Hill Formation and conglomerate, limestone, and skarned limestone of the Triassic Brooklyn Formation, both of which are intruded by quartz diorite of the Cretaceous Nelson intrusive rocks.

WORK DONE: Geological mapping, 1:2000, covering NM 1 and 6 Fraction, MT 1 to 3, 11 Fraction, 12 Fraction, 14 Fraction, 15 Fraction.

REFERENCES. Mineral Inventory 82E/SE-50; Assessment Reports 2217, 2845, 2897, 9044.

BC **(Fig. E-1, NTS 82, No. 15)**

LOCATION: Lat. 49° 08′ Long. 118° 31′ (82E/2E)
GREENWOOD M.D. Eleven kilometres east of Greenwood on the west face of Thimble Mountain.

CLAIMS: BC (Lot 882), DAISY FR. (Lot 948), LONDON NO. 2 FR. (Lot 4655), MOUNTAIN VIEW (Lot 1533).

OWNERS: K. L. DAUGHTRY, Box 795, Vernon and G.O.M. STEWART, Box 130, Greenwood.

METALS: Copper (silver, gold).

DESCRIPTION: Heavy to massive sulphide mineralization, comprising pyrrhotite, chalcopyrite, and tetrahedrite, occurs along the contact between limestone and volcanic rock. Much of the carbonate rock has been altered to marble and skarn. A swarm of Tertiary pulaskite dykes cuts all older rocks and ore.

WORK DONE: Underground development, on BC.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 14; Assessment Report 809; Mineral Inventory 82E/SE-60.

JEWEL CREEK (Fig. E-1, NTS 32, No. 9)

LOCATION: Lat. 49° 08′ Long. 118° 38′ (82E/2E)
GREENWOOD M.D. Five kilometres north-northwest of Greenwood, on Jewel Creek.

CLAIM: JEWEL CREEK (8 units).

OWNER: ROANOKE EXPLORATIONS LTD., 1236 Haywood Avenue, West Vancouver V7T 1V1.

METAL: (Copper).

DESCRIPTION: Pyrrhotite, pyrite, and chalcopyrite occur in skarn variations within limy beds at the contact between the Anarchist metamorphic rocks and Nelson granitic intrusive rocks.

WORK DONE: Ground electromagnetic survey, 5 kilometres; percussion drilling, 10 holes, totalling 660 metres, on Jewel Creek.

REFERENCES: Mineral Inventory 82E/SE-164; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 16; Assessment Reports 7297, 8086.

PT, EHOLT (Fig. E-1, NTS 82, No. 364)

LOCATION: Lat. 49° 09.5′ Long. 118° 32.5′ (82E/2E)
GREENWOOD M.D. Twenty-five kilometres northeast of Greenwood, just northeast of Eholt.

CLAIMS: PT, EHOLT.

OWNER: Herman Hoehn.

OPERATOR: GEOKOR ENERGY HOLDINGS LTD. and NUSUN DRILLING LTD., 908 West Seventh Avenue, Vancouver V5Z 1C3.

METALS: (Gold, copper).

DESCRIPTION: Outcrops are scarce. Drilling intersected greenstone, porphyry dykes, and coarse pinkish syenite. Pyrrhotite, chalcopyrite, and pyrite occur mainly in a 10.16-metre-wide trachyte section between feldspar porphyry dykes. Old workings consist of 6 pits and 5 short trenches.

WORK DONE: Diamond drilling, 1 AEX hole, totalling 44.09 metres, on Eholt.

REFERENCE: Assessment Report 8812.

JEWEL, ENTERPRISE (DENTONIA) (Fig. E-1, NTS 82, No. 13)

LOCATION: Lat. 49° 09.5′ Long. 118° 37′ (82E/2E)
GREENWOOD M.D. Eight kilometres north-northeast of Greenwood at the southeast end of Jewel Lake.

CLAIMS: JEWEL (Lot 850), DENERO GRANDE (Lot 851), ETHIOPIA (Lot 932), ANCHOR (Lot 1021), ENTERPRISE (Lot 1022), MASSACHUSETTS (Lot 1401), GEM FR. (Lot 1416), IMPERIAL (Lot 1418), PERSEVERANCE FR. (Lot 3088S), ANCHOR FR. (Lot 1375), BELL FLOWER (Lot 2108), GOLD FR. (Lot 2406), CHILCO FR. (Lot 2118), PELLY (Lot 2119), FRITZ (Lot 2120), FRITZ FR. (Lot 2137).

OWNER: DENTONIA RESOURCES LTD., 930, 625 Howe St., Vancouver V6C 2T6.

METALS: Gold, silver, lead.

DESCRIPTION: A gold-silver-bearing quartz vein is partly in metamorphosed volcanic rock of the Anarchist Group and partly in a quartz diorite stock. Mineralization consists of pyrite with minor galena, sphalerite, and chalcopyrite.

WORK DONE: Pumping out workings and sampling, 120 channel samples taken, on Denero Grande and Jewel; rehabilitation of hoist at Denero Grande shaft; rehabilitation and retimbering of first 46 metres of Jewel shaft; diamond drilling, 13 BQ holes, totalling 769 metres, on Jewel; magnetometer and electromagnetic survey, 27 line kilometres each and biogeochemical survey, 275 samples analysed for copper, lead, zinc, gold, silver, and arsenic, covering Pelly and Crown-granted claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, pp. 39-51; Mineral Inventory 82E/SE-55.

GOLD DROP (Fig. E-1, NTS 82, No. 362)

LOCATION: Lat. 49° 10' Long. 118° 37' (82E/2E)
GREENWOOD M.D. Ten kilometres from Greenwood at the north end of Jewel Lake.

CLAIMS: GOLD DROP, GOLD DROP EXT., GOLD DROP FR., GOLDEN EAGLE, OLD BIRD, SILENT FRIEND, GEM, ANNEK, ANN, LEONA, KENAR.

OWNER: Kenar Resources Ltd.

OPERATOR: JOHN KUCHERHAN, 197 Granby Avenue, Penticton V2A 2Z1.

METALS: Gold, silver, lead.

DESCRIPTION: Property is underlain by a thick sequence of schistose quartzitic sediments, cut by syenite and andesite dykes. A continuation of the adjacent North Star vein carries pyrite, galena, chalcopyrite, sphalerite, and telluride.

WORK DONE: Trenching, 0.6 kilometre, on Gold Drop; road clearing, 1.75 kilometres, on Gold Drop Fr., underground development, on Golden Eagle, Annek, Kenar, and Ann.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1946, p. 136; Mineral Inventory 82E/SE-153.

LAKE VIEW (Fig. E-1, NTS 82, No. 11)

LOCATION: Lat. 49° 11' Long. 118° 36' (82E/2E)
GREENWOOD M.D. Two kilometres north-northwest of the most northerly end of Jewel Lake.

CLAIM: LAKE VIEW (Lot 1576).

OWNER: GUY ALLEN, Box 7248, Postal Station E, Calgary, Alberta.

METALS: Gold, silver, copper.

DESCRIPTION: A trenched quartz vein was found assaying significant silver values.

WORK DONE: Prospecting.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1896, p. 578; 1897, p. 590; 1901, p. 1056; 1902, p. 305; 1931, p. 125; 1934, p. D6; Assessment Report 8709; Mineral Inventory 82E/SE-56.

RANGER (Fig. E-1, NTS 82, No. 22)

LOCATION: Lat. 49° 01′ Long. 118° 50′ (82E/2W)
GREENWOOD M.D. Approximately 15.5 kilometres southwest of Greenwood on the north side of the Kettle River, 1.5 kilometres southeast of its junction with Ingram Creek.

CLAIMS: RANGER 1 to 5.

OWNER: HAROLD VANNERUS, 7867 Canada Way, Burnaby.

DESCRIPTION: The few rock outcrops consist of the Anarchist sedimentary rocks (Mesozoic) and the Kettle River sedimentary and volcanic flow rocks (Tertiary) criss-crossed by felsic dykes.

WORK DONE: Self-potential survey, 1.5 kilometres; ground electromagnetic survey, 1.8 kilometres, covering Ranger 2; geochemical survey, 49 soil samples analysed for copper, silver, and gold, on Ranger 1, 2, and 3.

REFERENCES: Assessment Reports 7129, 8123, 9349.

TEXAS (Fig. E-1, NTS 82, No. 20)

LOCATION: Lat. 49° 02′ Long. 118° 50′ (82E/2W)
GREENWOOD M.D. Approximately 11 kilometres east-southeast of the townsite of Rock Creek, lying 500 metres east of the junction of Kettle River and Ingram Creek.

CLAIMS: J 1 (9 units), J 2 (4 units), J 3 (10 units).

OWNER: MAYMAC EXPLORATIONS LTD., 209, 475 Howe Street, Vancouver V6C 2B3.

METALS: Copper, (gold, silver).

DESCRIPTION: Metasedimentary rocks of the Upper Paleozoic Anarchist Group include a calcareous unit enveloped by two horizons of sharpstone conglomerate. The calcareous unit ranges from marble through calc-silicate skarns to garnet-diopside-epidote skarn. It hosts pyrite-chalcopyrite mineralization.

WORK DONE: Self-potential survey, 12.5 kilometres; ground electromagnetic survey, 13 kilometres; diamond drilling, 3 holes, totalling 421.54 metres; geochemical survey, 148 soil samples analysed for copper, silver, and gold.

REFERENCES: Mineral Inventory 82E/SE-119; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 19; Assessment Reports 5381, 7129, 8123, 8236.

MIDWAY MINE (NANCY) (Fig. E-1, NTS 82, No. 19)

LOCATION: Lat. 49° 02.5′ Long. 118° 49′ (82E/2W)
GREENWOOD M.D. Six kilometres northwest of Midway, on the west bank of Murray Gulch.

CLAIMS: MIDWAY (9 units), MF (4 units).

OWNER: D. N. MOORE, Box 79, Midway V0H 1M0.

METALS: Gold, silver, zinc, lead.

WORK DONE: Underground development; drilling, 5 X-ray holes, totalling 76 metres, on Midway 5.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1962, p. 68; 1968, p. 290; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 304; Mineral Inventory 82E/SE-128.

COPPER QUEEN, KING SOLOMON (Fig. E-1, NTS 82, No. 21)

LOCATION: Lat. 49° 05.5' Long. 118° 48' (82E/2W)
GREENWOOD M.D. Approximately 9 kilometres north of townsite of Midway, with the junction of Ingram Creek and Motherlode Creek lying in the centre of the group.

CLAIMS: COPPER QUEEN (Lot 387), KING SOLOMON (Lot 388), LAST CHANCE (Lot 660), ENTERPRISE (Lot 617), HONOLULU (Lot 1572), COPPER KING (Lot 1713), MAGNOLIA (Lot 1851), INDEPENDENCE (Lot 2311), UTE FR. (Lot 2611), ING 1 (20 units), ING 2 (20 units), MAC (12 units), AVON (6 units), CAW (8 units).

OWNER: MINEQUEST EXPLORATION ASSOC. LTD., 311 Water Street, Vancouver V6B 1B8.

METALS: Copper, gold, silver, lead.

DESCRIPTION: Most abundant exposures are Tertiary volcanic rocks with related dykes and sills. Upper members of the underlying Brooklyn Formation, dipping 45 degrees southeast, are exposed. Lower limestone is found to be restricted and locally upper sharpstone rests directly on Knob Hill basement.

WORK DONE: Geological mapping, 1:5000, covering Lot 2311; diamond drilling, 2 holes, totalling 502 metres, on Ing 1.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 227; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 20; Assessment Reports 1082, 2453, 5842, 6436, 8497, 8823; Mineral Inventory 82E/SE-53, 54, 134.

OLD NICK (Fig. E-1, NTS 82, No. 25)

LOCATION: Lat. 49° 02' Long. 119° 07' (82E/3E)
GREENWOOD M.D. North and south on Highway 3 at Bridesville; Baker Creek also runs through property.

CLAIMS: NICKEL (16 units), NICKEL 2 (12 units), NICKEL 3 (16 units), NICKEL 4 (20 units), NICKEL 5 (20 units), NICKEL 6 (12 units), NICKEL 8 (6 units).

OWNER: AEYROK PETROLEUM LTD., 1004, 789 West Pender Street, Vancouver.

METAL: Nickel.

DESCRIPTION: The claims are underlain by greenstone, quartzite, greywacke, and limestone of the Anarchist Group (Permian/Triassic) near the Nelson plutonic rocks (Cretaceous ?). The structure is complex. Pyrite, pyrrhotite, and pentlandite occur in ultramafic dykes and in veinlets within quartzite.

WORK DONE: 1979 – ground magnetometer survey and ground electromagnetic survey, 60 kilometres each, on Nickel; airborne magnetometer, airborne electromagnetic, and airborne radiometric surveys, 45 kilometres, on all claims and surrounding area; 1980 – sampling, 1 050 soil samples taken, on Nickel 2, 4, 7, 8.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1966, p. 192; 1967, p. 224; 1968, p. 225; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 38; Assessment Reports 1243, 3677, 8087, 8390, 9296; Mineral Inventory 82E/SW-55.

MOLLY (Fig. E-1, NTS 82, No. 373)

LOCATION: Lat. 49° 04′ Long. 119° 07′ (82E/3E)
GREENWOOD M.D. Ten kilometres southeast of Camp McKinney at the head of McKinney Creek.
CLAIMS: MOLLY 1 to 4.
OWNER: Camwood Resources Ltd.
OPERATOR: J. HEXT, RR 2, Oliver V0H 1T0.
DESCRIPTION: Molybdenite occurs at a monzonite-tonalite contact.
WORK DONE: Trenching and linecutting, on Molly 3.

DWS (Fig. E-1, NTS 82, No. 368)

LOCATION: Lat. 49° 05′ Long. 119° 01′ (82E/3E)
GREENWOOD M.D. Approximately 2 kilometres north of town of Rock Creek; the claims straddle Kettle River just south of Hulme Creek.
CLAIMS: DWS (15 units), DWS 1 to 3.
OWNER: D.W.S. DAVIES, 410, 668 Lakeshore Dr., Penticton.
DESCRIPTION: Drilling intersected serpentinized rock.
WORK DONE: 1979 – diamond drilling, 15.3 metres, on DWS 2.
REFERENCE: Assessment Report 8791.

MOLLY (Fig. E-1, NTS 82, No. 371)

LOCATION: Lat. 49° 04′ Long. 119° 07.5′ (82E/3E)
GREENWOOD M.D. The Molly claims are located 2 kilometres due east of the junction of McKinney Creek and Rice Creek.
CLAIMS: MOLLY 1 to 4.
OWNER: CAMWOOD RESOURCES LTD., 701, 626 West Pender Street, Vancouver.
DESCRIPTION: The claims are underlain mainly by schists, quartzite, limestone, and greenstone of the Permian/Triassic Anarchist Group. At Camp McKinney gold occurs in quartz veins with pyrite, galena, and sphalerite, and at Dayton in quartz-free shear zones with pyrite and chalcopyrite. No mapping has been done on the property.
WORK DONE: Geochemical survey, 95 soil samples analysed for copper and molybdenum, on Molly.
REFERENCE: Assessment Report 9489.

MA (Fig. E-1, NTS 82, No. 372)

LOCATION: Lat. 49° 06′ Long. 119° 08′ (82E/3E)
GREENWOOD M.D. Six kilometres southeast of Camp McKinney.
CLAIMS: MA 1 to 6.
OWNER: Camwood Resources Ltd.
OPERATOR: J. HEXT, RR 2, Oliver V0H 1T0.
DESCRIPTION: Minor copper values are found in dacite.
WORK DONE: Trenching and road clearing, on MA 1; geochemical survey, 285 soil samples analysed for copper and gold, on all claims.
REFERENCE: Assessment Report 9489.

RCJV (Fig. E-1, NTS 82, No. 369)

LOCATION: Lat. 49° 06′ Long. 119° 12′ (82E/3E)
GREENWOOD M.D. Approximately 8 kilometres north-northwest from Bridesville, with Rice Creek flowing north from the property.
CLAIMS: RCJV 19 (12 units), SLAMET, BANNER (Lot 1586).
OWNER: Dayton Creek Silver Mines Ltd.
OPERATOR: 1980 ROCK CREEK JOINT VENTURE, c/o Dayton Creek Silver Mines Ltd., Box 7248, Postal Station E, Calgary, Alberta.
DESCRIPTION: The claims are underlain by Anarchist Group metasedimentary rocks.
WORK DONE: Geochemical survey, 450 soil samples analysed for copper, lead, zinc, silver, arsenic, and gold, on RCJV 19.
REFERENCE: Assessment Report 8930.

SHEILA (Fig. E-1, NTS 82, No. 26)

LOCATION: Lat. 49° 06′ Long, 119° 14′ (82E/3E)
GREENWOOD M.D. Approximately 8 kilometres northwest of Bridesville straddling McKinney Creek.
CLAIM: SHEILA (20 units).
OWNER: LUSTRE RESOURCES INC., 705, 11 Adelaide Street West, Toronto.
DESCRIPTION: Outcrops on the property consist of quartz monzonite to diorite and vesicular basalt.
WORK DONE: 1979 – geological mapping, 1:5000 and linecutting, 4.2 kilometres, on all claims; 1980 – linecutting, 24.5 kilometres and ground magnetometer survey, 24.5 kilometres, covering Sheila.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 23; 1977, p. E 20; Assessment Reports 5991, 6547, 7877, 8372.

SAILOR (Fig. E-1, NTS 82, No. 24)

LOCATION: Lat. 49° 06.5′ Long. 119° 12′ (82E/3E)
GREENWOOD M.D. Nine kilometres north-northwest of Bridesville at Camp McKinney, on the west side of Rice Creek.
CLAIMS: KAMLOOPS (Lot 275), CARIBOO FR. (Lot 925), ROVER FR. (Lot 769), SAILOR (Lot 766), DIAMOND (Lot 1455), TOLEDO (Lot 1270), SNOWSHOE (Lot 1269).
OWNER: Richard Watson.
OPERATOR: McQUILLAN GOLD LTD., 811, 543 Granville St., Vancouver V6C 1X8.
METALS: Gold, lead, zinc.
DESCRIPTION: Camp McKinney auriferous pyrite, galena, and sphalerite mineralization is associated with quartz veins which dip steeply to the north. The host rocks consist of micaceous metasedimentary and volcanic rocks of the Anarchist series. Dykes and intrusive apophyses probably belong to a phase of the Nelson batholith.
WORK DONE: Ground electromagnetic survey and ground magnetometer survey, 3.2 kilometres, covering all claims.
REFERENCES: *Minister of Mines, B.C.*, 1894, Map, facing p. 758; 1897, pp. 604, 606; 1897, pp. 1117, 1196; 1899, pp. 603, 772; 1900, p. 880; 1933, p. 157; 1934, p. D 9; Assessment Report 8153; Mineral Inventory 82E/SW-45.

ARGEN (Fig. E-1, NTS 82, No. 370)

LOCATION: Lat. 49° 07.5′ Long. 119° 09.5′ (82E/3E)
GREENWOOD M.D. Approximately 24 kilometres east-northeast from Osoyoos, between Rice Creek and Rock Creek.

CLAIMS: RCJV 1 to 6, ARGEN (Lot 343).

OWNER: Dayton Creek Silver Mines Ltd.

OPERATOR: 1980 ROCK CREEK JOINT VENTURE, c/o Dayton Creek Silver Mines Ltd., Box 7248, Postal Station E, Calgary, Alberta.

DESCRIPTION: The property is underlain by metasedimentary rocks grading from siliceous schist to quartzite, of the Permian-Triassic Anarchist Group. No igneous rocks were observed on the property. The rocks tend to strike north-south with steep dips. The rock is cut by a quartz-infilled shear at 305 degrees, 80 degrees southwest mineralized by pyrite and galena.

WORK DONE: Geological mapping, 1:1968.5; geochemical survey, 220 soil samples analysed for copper, lead, zinc, silver, arsenic, and gold, covering all claims.

REFERENCE. Assessment Report 8928.

BOOMERANG, WS (Fig. E-1, NTS 82, No. 23)

LOCATION: Lat. 49° 15′ Long. 119° 01′ (82E/3E, 6E)
GREENWOOD M.D. Three kilometres due north of Rhone Station, extending west from the West Kettle River and south from Nelse Creek.

CLAIMS: ZER 1 (16 units), BC (Lot 725S), BOOMERANG (Lot 733S), ICONOCLAST (Lot 734S), CHAPERONE (Lot 875S), EAGLE FR. (Lot 2282), WS (Lot 2281).

OPERATOR: ZERON RESOURCES LTD., 805 Grand Boulevard, North Vancouver.

METALS: Gold, silver.

DESCRIPTION: Felsic porphyry dykes intrude sedimentary rocks (Paleocene) and granitic rocks of the Nelson batholith (Jurassic-Cretaceous). Sulphides of copper, lead, zinc, and iron with gold and silver values occur in quartz-filled fissure vein structures trending southwesterly. Old surface and underground workings occur on the Boomerang, WS, and BC claims.

WORK DONE: Geochemical survey, 106 soil samples and 17 rock samples, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 21; Assessment Reports 5621, 6296, 8211; Mineral Inventory 82E/SW-63.

SHELL (Fig. E-1, NTS 82, No. 27)

LOCATION: Lat. 49° 01′ Long. 119° 19.5′ (82E/3W)
GREENWOOD M.D. Ten kilometres east of Osoyoos on Anarchist Mountain, just north of the southern Highway 3.

CLAIMS: BTA 1 (4 units), STRATA 1 (15 units).

OWNERS: Gem-Star Resources Ltd., Anarchist Mountain Resources Ltd., and B. Fenwick-Wilson.

OPERATOR: GEM–STAR RESOURCES LTD., 303, 2077 Nelson Street, Vancouver.

METALS: Copper, zinc, gold, silver.

DESCRIPTION: Roof pendants consisting of Anarchist (Permian age) sedimentary rocks, greenstones, quartzites, greywackes, limy rocks, and paragneiss are bounded and underlain by serpentinite, gabbro, and granitic rocks of the Nelson and

Valhalla intrusions (Jurassic and Cretaceous age). Disseminated pyrrhotite, sphalerite, galena, and chalcopyrite occur in sheared quartzite and less in greenstone.

WORK DONE: Prospecting; geological mapping, 1:50 000, covering both claims.

REFERENCES: Mineral Inventory 82E/SW-79; Assessment Reports 2926, 6559, 8553.

LAKEVIEW (Fig. E-1, NTS 82, No. 28)

LOCATION: Lat. 49° 01′ Long. 119° 30′ (82E/3W, 4E)
OSOYOOS M.D. On the east slope of Mount Kruger, situated on the west side of Osoyoos Lake and approximately 2 kilometres north of the International Boundary.

CLAIMS: IANTO (Lot 3555S), LAKEVIEW (Lot 1899), CALIFORNIA (Lot 1907), TREASURY (Lot 3556S), GEM (Lot 3311S), BULLSEYE FR. (Lot 1591), SAFARI (12 units).

OPERATOR: RIDEAU RESOURCES CORP., 6835 Heather Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: Greenstone, chlorite schist, limestone, and quartzite of the Kobau (Anarchist) Group are intruded by granitic rocks of the Osoyoos batholith. Magnetite, pyrrhotite, pyrite, and chalcopyrite with gold and silver values occur in several skarn zones.

WORK DONE: Geological mapping, 1:2600; diamond drilling, 3 BQ holes, totalling 288.41 metres, on Lakeview; geological mapping, 1:2500; ground magnetometer survey and ground electromagnetic survey, 14 kilometres, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1963, p. 65; *Geol. Surv., Canada*, Mem. 179, pp. 20-26; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 20, Part III, p. 18; Assessment Reports 658, 808, 8188, 9180; Mineral Inventory 82E/SW-1.

MAM (Fig. E-1, NTS 82, No. 69)

LOCATION: Lat. 49° 03.5′ Long. 119° 33.5′ (82E/4E)
OSOYOOS M.D. Fourteen kilometres south of Oliver and 4.5 kilometres west of Osoyoos Lake, just north of Blue Lake.

CLAIMS: JJ 1, JJ 2, MAM (10 units), CHICKAMIN (Lot 799), DIVIDE (Lot 800).

OWNER: HIGHMARK RESOURCES LTD., c/o J. Markevich, 13389 Crestview Drive, Surrey.

DESCRIPTION: The Kobau Group quartzite, schist, and greenstone are intruded by the Osoyoos granodiorite and associated rocks. Mineralization is sought in a shear-fault-alteration zone within the intrusive rocks.

WORK DONE: 1979 – geological mapping, 1:12 000; ground magnetometer survey and ground electromagnetic survey, 14 kilometres; geochemical survey; 9 rock samples, 370 soil samples analysed for gold, 147 for copper, covering Mam and JJ.

REFERENCE: Assessment Report 8830.

LARI (Fig. E-1, NTS 82, No. 29)

LOCATION: Lat. 49° 05′ Long. 119° 34′ (82E/4E)
OSOYOOS M.D. One kilometre northwest of the northwest top of Osoyoos Lake, 1 kilometre east of Spotted Lake.

CLAIMS: LARI 3 (2 units), LARIMOR (4 units).

OWNER: (Mrs.) Mamie Morrison.
OPERATOR: L. F. MORRISON, RR 2, Willow Beach, Osoyoos V0H 1V0.
METALS: Tungsten, (uranium).
WORK DONE: Road building and trenching, on Lari; trenching, 70 metres by 10 metres by 8 metres; road building, on Larimor.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 21; Assessment Report 6757; Mineral Inventory 82E/SW-154.

BULLER, MAK SICCAR (Fig. E-1, NTS 82, No. 377)

LOCATION: Lat. 49° 06' Long. 119° 41.5' (82E/4E)
OSOYOOS M.D. Approximately 9 kilometres southeast of Cawston, lying along the eastern tip of Manery Creek.
CLAIMS: KITCHENER (Lot 2967), BULLER (Lot 2965), ECLIPSE FR. (Lot 2976), BOBBS (Lot 2966).
OPERATOR: ALFRED BEST, 203, 195 Perkins Crescent, Penticton V2A 2H4.
METALS: Gold, silver, copper.
DESCRIPTION: A quartz vein 5.08 centimetres to 1.52 metres wide carrying pyrite and lesser amounts of chalcopyrite occurs in certain favourable zones along the schisted contact of diorite and greenstone rocks. Numerous slightly mineralized quartz-filled fractures strike in every direction throughout the diorite.
WORK DONE: Prospecting (samples from old workings and dumps).
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 190; Assessment Report 8996; Mineral Inventory 82E/SW-4.

URP, OK (Fig. E-1, NTS 82, No. 30)

LOCATION: Lat. 49° 02' Long. 119° 53' (82E/4W)
OSOYOOS M.D. Thirty kilometres west of Osoyoos on and south of Snowy Mountain and the headwaters of Snehumption Creek.
CLAIMS: OK 1 to 13 (94 units), OK 14 (8 units), UC (16 units).
OWNER: COMINCO LTD., 409, Seventh Floor, Granville Street, Vancouver V6C 1T2.
METAL: (Molybdenum).
DESCRIPTION: Marine sedimentary and volcanic rocks of the Permo-Triassic Barslow, Independence, Shoemaker, and Old Tom Formations have been intruded by a medium-grained quartz monzonite phase of the Similkameen batholith which contains minor molybdenite mineralization.
WORK DONE: Geological mapping, 1:10 000, covering OK 6 to 14; geochemical surveys, 377 soil samples analysed for copper, lead, zinc, molybdenum, and tungsten and 2 rock samples analysed for copper, lead, zinc, molybdenum, tungsten, silver, gold, and fluorine, on OK 9 to 14.
REFERENCES: Mineral Inventory 82E/SW-80; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 21, 22; Assessment Reports 7808, 8579.

ANDREANA (Fig. E-1, NTS 82, No. 55)

LOCATION: Lat. 49° 06' Long. 119° 55' (82E/4W)
OSOYOOS M.D. Thirteen kilometres southwest of Keremeos at the headwaters of Susap Creek, adjoining the southwest corner of Indian Reserve 13.
CLAIM: ANDREANA (4 units).
OWNER: Dancoe Mines Ltd.

OPERATOR: BLACK GIANT MINES LTD., 2002, 1177 West Hastings Street, Vancouver V6E 2L6.
METAL: (Tungsten).
DESCRIPTION: The prospect is underlain by argillite, volcanic rocks, and diorite intrusive rocks. Low-grade tungsten mineralization occurs in lenticular zones.
WORK DONE: Ground magnetometer survey, 8.75 kilometres; diamond drilling, 7 BQ holes, totalling 592 metres; geochemical survey, 170 soil and silt samples taken.

BIRTHDAY (Fig. E-1, NTS 82, No. 375)

LOCATION: Lat. 49° 06' Long. 119° 55' (82E/4W)
OSOYOOS M.D. Approximately 13 kilometres south-southwest from Keremeos, with Juniper Creek flowing about 3 kilometres south from the property.
CLAIM: BIRTHDAY (4 units).
OWNER: Peter G. Folk.
OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver.
DESCRIPTION: The property is underlain by Triassic or earlier Independence Formation chert and greenstone and Shoemaker Formation chert, tuffs, and greenstone. Porphyritic diorite is emplaced along the north-south axis of a poorly defined anticline. A thin sill of rhyolite porphyry has been noted on surface and in drill core.
WORK DONE: Diamond drilling, on Birthday.
REFERENCE: Assessment Report 8789.

MUN (Fig. E-1, NTS 82, No. 376)

LOCATION: Lat. 49° 10' Long. 119° 53' (82E/4W)
OSOYOOS M.D. Approximately 5 kilometres southwest of Keremeos, with Bullock Creek cutting through property.
CLAIMS: MUN 1 to 8.
OWNER: MUNDY McRAE, 203, 55 East 14th Avenue, Vancouver B5T 2M4.
DESCRIPTION: Underlying rocks are characterized by pervasive silicification (Shoemaker Formation ?) accompanied by localized pyritization. Randomly oriented and locally numerous thin, clear quartz veinlets often were observed. Hematitic jasperoid replacement zones are common as red-coloured irregular patches. Zones of a fragmented nature are extensive.
WORK DONE: Prospecting; geochemical survey, rock samples analysed for copper, zinc, silver, and gold, covering all claims.
REFERENCE: Assessment Report 9210.

ALLEGRO (Fig. E-1, NTS 82, No. 35)

LOCATION: Lat. 49° 19' Long. 119° 55' (82E/5W)
OSOYOOS M.D. Fourteen kilometres northwest of Keremeos at the summit of the Thompson Plateau, 4.5 kilometres south of Apex Mountain.
CLAIM: ALLEGRO (6 units).
OWNER: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver.
METALS: Gold, molybdenum, tungsten.
DESCRIPTION: Gold, molybdenite, and powellite occur in skarn zones and fractures at the contact between hornfels, quartzites, and metachert of the Independence and

Shoemaker Formations (Pennsylvanian—Permian), and diorite-granodiorite apophyses of the Similkameen batholith (Jurassic).

WORK DONE: Geological mapping, 1:2500; linecutting, 8.3 kilometres; geochemical survey, 179 soil and 2 rock samples analysed for molybdenum and tungsten, covering Allegro.

REFERENCES: Mineral Inventory 82E/SW-27; Assessment Report 8145.

APEX (Fig. E-1, NTS 82, No. 34)

LOCATION: Lat. 49° 22′ Long. 119° 55′ (82E/5W)
OSOYOOS M.D. Seventeen kilometres north-northwest of Keremeos, on Apex Mountain.

CLAIMS: WHITE GROVE (Lot 551S), DEANNA 1 (20 units), DEANNA 2 (15 units), DEANNA 3 (15 units), DEANNA 4 (4 units), Mineral Leases M-120, M-107, and M-116.

OWNER: UNION CARBIDE CANADA LTD., 930, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Gold, silver, copper.

DESCRIPTION: Triassic intermediate to basic volcanic rocks, pyroclastic breccias and tuffs, silicified argillites and marbles are intruded by dioritic and felsic porphyritic dykes.

WORK DONE: Geological mapping, 1:500, 1:2500; linecutting, 2 kilometre by 1.6-kilometre grid by 100-metre spacing; electromagnetic survey, 29.25 kilometres; magnetometer survey, 31.1 kilometres; geochemical survey, 1 157 samples analysed for copper, arsenic, gold, and silver, covering Deanna 1.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 217; Mineral Inventory 82E/SW-47.

LAKE (Fig. E-1, NTS 82, No. 38)

LOCATION: Lat. 49° 23.5′ Long. 119° 57′ (82E/5W)
OSOYOOS M.D. Approximately 16 kilometres northwest of Olalla, on the south side of Nickel Plate Lake.

CLAIMS: LAKE 1 to 8, 11 to 14.

OWNER: GOOD HOPE RESOURCES LTD., 1518, 1177 West Hastings Street, Vancouver, V6E 1L5.

DESCRIPTION: Metasedimentary rocks contain skarn zones that include magnetite and sparse chalcopyrite mineralization.

WORK DONE: Percussion drilling, 4 holes, totalling 67 metres, on Lake 1.

REFERENCE: Assessment Report 8732.

TOUGH OAKS (Fig. E-1, NTS 82, No. 39)

LOCATION: Lat. 49° 27′ Long. 119° 57′ (82E/5W)
OSOYOOS M.D. Fourteen kilometres northeast of Hedley and 6 kilometres north of Nickel Plate Lake, on Broken Creek.

CLAIMS: TOUGH OAKS 2 to 12, BWINABY 1 to 6, GLYNNEHILL 1 to 4, GOLDEN TOAD.

OWNER: Charles Marshall.

OPERATOR: ALAN A. SIMPSON, 5852 – 64th Street, Delta.

METALS: Gold, (silver), copper, tungsten.

DESCRIPTION: The geological environment is of Triassic argillite, quartzite, and carbonate rocks enveloped by a batholith and/or intruded by stocks and plugs of the

Coast Intrusions. Arsenopyrite and pyrite occur in silicified zones within a formation of chert, quartzite, pelitic sedimentary rocks, and limestone.

WORK DONE: Ground electromagnetic survey and ground magnetometer survey, 2.5 kilometres, covering Tough Oaks.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 25; Assessment Reports 6091, 8736; Mineral Inventory 82E/SE-143.

GOOD HOPE **(Fig. E-1, NTS 82, No. 379)**

LOCATION: Lat. 49° 21′ Long. 120° 00′ (82E/5W; 92H/8E)
OSOYOOS M.D. Approximately 6 kilometres east-southeast of Hedley, lying 3 kilometres east of the junction of Similkameen River and Redtop Gulch.

CLAIMS: GOOD HOPE 1 (Lot 3917S), GOOD HOPE 2 (Lot 3918S), GOOD HOPE 3 FR. (Lot 3919S), GOOD HOPE 4 FR. (Lot 3931S).

OWNER: GOOD HOPE RESOURCES LTD., 1518, 1177 West Hastings Street, Vancouver V6E 1L5.

METALS: Gold, copper, molybdenum, silver.

DESCRIPTION: Interbedded tuff and skarn, limestone, and granite.

WORK DONE: Percussion drilling, 64 holes, totalling 945 metres, on Good Hope 2, Good Hope 3 Fr.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1961, p. 56; Assessment Reports 8787, 971; Mineral Inventory 92H/SE-60.

CANTY, GREENWOOD **(Fig. E-1, NTS 82, No. 378)**

LOCATION: Lat. 49° 23′ Long. 120° 00′ (82E/5W; 92H/8E)
OSOYOOS M.D. Approximately 6.4 kilometres northeast of Hedley, with Nickel Plate Mountain overlying claim group.

CLAIMS: Twenty-four Crown grants and reverted Crown grants including GREENWOOD (Lot 3114), BOSTON (Lot 3112), plus DG NO. 1, DG NO. 2, DG NO. 1 FR., DG NO. 2 FR.

OWNER: GOOD HOPE RESOURCES LTD., 1518, 1177 West Hastings Street, Vancouver V6E 1L5.

METAL: Gold.

DESCRIPTION: Arsenopyrite mineralization in highly siliceous and altered sedimentary rocks. Holes were drilled in homogeneous metasedimentary rocks.

WORK DONE: Diamond drilling, 11 holes, totalling 372 metres, on Boston.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1938, p. D 34; Assessment Report 8786; Mineral Inventory 92H/SE-64.

ORO **(Fig. E-1, NTS 92, No. 140)**

LOCATION: Lat. 49° 26.5′ Long. 120° 00′ (92H/8E; 82E/5W)
Report on this property in section 92H/8E.

TWIN LAKES **(Fig. E-1, NTS 82, No. 31)**

LOCATION: Lat. 49° 17′ Long. 119° 42′ (82E/5E)
OSOYOOS M.D. Twelve kilometres northeast of Keremeos, north of Orofino Mountain, between the headwaters of McCaig and Park Rill Creeks.

CLAIMS: TWIN LAKES 1 to 4.

(82E/5E)

OWNER: JOE STITT, Box 932, Grand Forks V0H 1H0.
WORK DONE: Geochemical survey, 88 soil samples analysed for gold, arsenic, and mercury, and 24 rock samples analysed for gold and silver.
REFERENCE: Assessment Report 8585.

RENO **(Fig. E-1, NTS 82, No. 33)**

LOCATION: Lat. 49° 20′ Long. 119° 48′ (82E/5E)
OSOYOOS M.D. Fifteen kilometres north of Keremeos, extending northwest of Marsel Creek, approximately 2.4 kilometres north of its junction with Keremeos Creek.
CLAIMS: RENO 1 to 8.
OWNER: A. FALKENSTEIN, Box 4, Keremeos V0X 1N0.
METAL: Molybdenum.
WORK DONE: Stripping, 3.65-5.79 metres wide by .06-1.2 metres deep by 82 metres in length, on Reno 7 and 8.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 24; 1978, p. E 25; 1977, p. E 25; 1976, p. E 25; Assessment Reports 5505, 5871; Mineral Inventory 82E/SW-123.

AU **(Fig. E-1, NTS 82, No. 45)**

LOCATION: Lat. 49° 17′ Long. 119° 18′ (82E/6W)
OSOYOOS M.D. Approximately 22 kilometres northeast from Oliver with Solco (Fish) Creek flowing through the property.
CLAIM: GOLD (12 units).
OWNER: P. P. Nielsen.
OPERATOR: ENERGEX MINERALS LTD., Ninth Floor, 850 West Hastings Street, Vancouver.
METALS: Gold, silver.
DESCRIPTION: The property is underlain by andesite flows and tuffs.
WORK DONE: Prospecting; geochemical survey, 39 soil samples and 1 silt sample analysed for gold, silver, arsenic, mercury, and antimony, on Gold.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 47; 1974, p. 56; Exploration in B.C., 1975, p. E 21; 1976, p. E 26; Assessment Reports 4763, 5009, 5102, 5886, 8961; Mineral Inventory 82E/SW-112.

VENNER **(Fig. E-1, NTS 82, No. 46)**

LOCATION: Lat. 49° 17′ Long. 119° 19′ (82E/6W)
OSOYOOS M.D. Twenty-one kilometres northeast of Oliver, on Solco (Fish) Creek, 5 kilometres upstream from its junction with Vaseux Creek.
CLAIMS: VENNER (9 units), VENNER 2 (20 units).
OWNER: LACANA MINING CORP., 312, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION: Gold mineralization has been reported in quartz-carbonate veins near the contact of Tertiary rhyolites and andesites.
WORK DONE: Geochemical survey, 20 rock samples analysed for gold, covering both claims.
REFERENCES: Assessment Reports 4763, 5009, 5702, 5886.

RICHELIEU, ENTERPRISE (Fig. E-1, NTS 82, No. 40)

LOCATION: Lat. 49° 15.5′ Long. 119° 02.5′ (82E/6E)
GREENWOOD M.D. Nineteen kilometres south of Beaverdell, on Nelse Creek.

CLAIMS: RICHELIEU (Lot 942), TERESA FR. (Lot 869S), ENTERPRISE (Lot 1449S), DCSM 5 to 8.

OWNER: DAYTON CREEK SILVER MINES LTD., Box 7248, Station E, Calgary, Alberta T3G 3M1.

METALS: Gold, silver.

DESCRIPTION: The claims are underlain by Cretaceous Nelson and Valhalla plutonic rocks with inliers of older and younger metasedimentary and metavolcanic rocks. Most of the area is in granite, granodiorite, and rhyolite porphyry; mineralized shears are exposed in adits.

WORK DONE: Geological mapping, 1:2400; geochemical survey, 570 soil samples analysed for copper, lead, zinc, mercury, arsenic, and gold.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 26, 27; Assessment Reports 7163, 7478, 8611; Mineral Inventory 82E/SW-61.

OHIO (Fig. E-1, NTS 82, No. 44)

LOCATION: Lat. 49° 16′ Long. 119° 01′ (82E/6E)
GREENWOOD M.D. Nineteen kilometres south of Beaverdell on the east side of the West Kettle River, opposite Nelse Creek.

CLAIMS: OHIO (Lot 3124), MONTE CHRISTO (Lot 3125), L FR., (Lot 2575).

OWNER: Guy Allen.

OPERATOR: ROCK CREEK JOINT VENTURE, Box 7248, Station E, Calgary, Alberta.

DESCRIPTION: The claims are underlain by a granodiorite to diorite pluton which is intruded by diorite and aplite dykes.

WORK DONE: Underground surveying; geochemical survey, 7 rock samples analysed for gold and silver, covering Ohio and Monte Christo.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1901, p. 1145; 1912, p. 326; 1923, p. 183; 1929, p. 259; Assessment Report 8417.

COLBY (Fig. E-1, NTS 82, No. 380)

LOCATION: Lat. 49° 17′ Long. 119° 03′ (82E/6E)
GREENWOOD M.D. Approximately 1.5 kilometres west of West Kettle River, just south of Kelly River.

CLAIMS: DCSM 1 to 4, COLBY (Lot 1088S).

OWNER: DAYTON CREEK SILVER MINES LTD., Box 7248, Station E, Calgary, Alberta.

METALS: Gold, silver.

DESCRIPTION: Plutonic rocks (Nelson, Valhalla) make up over 85 per cent of the rock exposures. Quartzites and other metasedimenary rocks, possibly of the Anarchist Group, occupy a zone trending northeastward through the contact portion of the claims. Vein occurrences coincide with the metasedimentary rocks.

WORK DONE: Geological mapping, 1:2400; geochemical survey, 506 soil samples analysed for copper, lead, silver, zinc, arsenic, and gold; 1 rock sample assayed for gold and silver, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1911, p. 291, 1933, p. 154; Assessment Report 8563; Mineral Inventory 82E/SW-62.

SCANDIE (SCANDIA, JAY) (Fig. E-1, NTS 82, No. 42)

LOCATION: Lat. 49° 24′ Long. 119° 04′ (82E/6E)
GREENWOOD M.D. Four kilometres south of Beaverdell, on the east side of the West Kettle River, at La Porte Creek.

CLAIMS: GOLDDROP (Lot 1195S), FRAN (20 units), BABE (18 units), JOHN 1, JAY 1 to 7, 18 to 21.

OWNER: John Kucherhan.

OPERATOR: CANSTAT PETROLEUM CORP. LTD., 701, 675 W. Hastings Street, Vancouver V6B 1N2.

METALS: Silver, lead, zinc.

DESCRIPTION: The claims are chiefly underlain by quartz diorite and granodiorite of the Jurassic West Kettle batholith locally cut by dykes and small stocks of Valhalla (?) quartz monzonite. To the east and southeast are Paleocene to Eocene tuffaceous rocks. Galena, sphalerite, pyrite, and chalcopyrite with quartz and/or calcite occur as fissure fillings.

WORK DONE: Geochemical surveys, 1 106 soil samples and 10 silt samples analysed for copper, zinc, lead, and silver; 8 rock samples analysed for copper, zinc, lead, silver, and gold; 5 samples analysed for zinc, lead, silver, and gold; 6 samples analysed for copper, lead, zinc, silver, and gold, covering Fran.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 57; Assessment Report 8526; Mineral Inventory 82E/SW-71.

DOORN (ARGENTIA) (Fig. E-1, NTS 82, No. 43)

LOCATION: Lat. 49° 24′ Long. 119° 07′ (82E/6E)
GREENWOOD M.D. Approximately 3 kilometres south of Beaverdell, with Logan Creek cutting through the north tip of the property and Tuzo Creek cutting through the south.

CLAIMS: DELL (18 units), KUZ (2 units).

OWNER: MAHOGANY MINING COMPANY LTD., 1006, 750 West Pender Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: The claim in underlain by Nelson plutonic rocks, chiefly granodiorite, with roof pendants of andesitic volcanic rocks of the Anarchist Group. Eocene monzonitic intrusions occur in the south-central part of claim (Dell). The mineralogy of the veins consists of sphalerite, galena, pyrite, and chalcopyrite.

WORK DONE: Geochemical survey, 314 soil samples analysed for copper, zinc, lead, and silver, on Dell.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 22; Assessment Reports 5441, 8504; Mineral Inventory 82E/SW-136.

MOON, SUN (Fig. E-1, NTS 82, No. 41)

LOCATION: Lat. 49° 27′ Long. 119° 05′ (82E/6E)
GREENWOOD M.D. Approximately 2.4 kilometres north of Beaverdell, on the south slope of King Solomon Mountain.

CLAIMS: MOON (6 units), SUN (6 units).

OWNER: DOUBLE EAGLE ENERGY AND RESOURCES LTD., 1040, 625 Howe Street, Vancouver V6C 2T6.

DESCRIPTION: The property is underlain by the Nelson intrusive quartz diorite and volcanic rocks of the Anarchist Group. The intrusive rocks are well fractured and sheared, and include pyritic quartz veins that contain some gold, silver, lead, zinc, and copper values.

WORK DONE: Geological mapping, 1:20 000, 1:2000, 1:3000; ground magnetometer survey and ground electromagnetic survey, 15.25 kilometres; geochemical survey, 143 soil samples analysed for gold, arsenic, copper, molybdenum, lead, silver, uranium, and tungsten, covering both claims.

REFERENCES: Assessment Reports 7970, 8916.

CARMI (Fig. E-1, NTS 82, No. 381)

LOCATION: Lat. 49° 29′ Long. 119° 08′ (82E/6E)
GREENWOOD M.D. Approximately 5 kilometres north-northwest of Beaverdell, with Carmi Creek flowing through the property.

CLAIMS: CARMI 1 (20 units), CARMI 2 (20 units), CARMI 3 (20 units), CARMI 4 (20 units), CARMI 5 (4 units), CARMI 6 (12 units).

OWNER: KELVIN ENERGY LTD., 600, 706 Seventh Avenue SW, Calgary, Alberta T2P 0Z1.

METALS: Gold, silver, lead, zinc, molybdenum, copper.

WORK DONE: Induced polarization; ground electromagnetic survey; ground magnetometer survey, 34.8 kilometres, covering Carmi.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 50; Assessment Report 8867; Mineral Inventory 82E/SW-29, 103, 132.

LOON LAKE (Fig. E-1, NTS 82, No. 386)

LOCATION: Lat. 49° 17′ Long. 118° 59′ (82E/7W)
GREENWOOD M.D. Approximately 30 kilometres west-northwest of Greenwood, with Hay Creek just north and Boomerang Creek just south.

CLAIMS: RCJV 7 to 10.

OWNER: Dayton Creek Silver Mines Ltd.

OPERATOR: 1980 ROCK CREEK JOINT VENTURE, c/o Dayton Creek Silver Mines Ltd., Box 7248, Station E, Calgary, Alberta.

DESCRIPTION: Metasedimentary rocks in the form of quartzites (Anarchist Group) and igneous lithologies as rhyolite porphyry and granite (Nelson, Valhalla) were observed on the property.

WORK DONE: Geochemical survey, 200 soil samples analysed for copper, lead, zinc, molybdenum, silver, gold, and arsenic, covering all claims.

REFERENCE: Assessment Report 8929

RENO (Fig. E-1, NTS 82, No. 387)

LOCATION: Lat. 49° 22′ Long. 118° 51′ (82E/7W)
GREENWOOD M.D. Approximately 24 kilometres northeast of Westbridge, with Hoodoo Lake lying 7.2 kilometres west of claim.

CLAIM: RENO (9 units).

OWNER: SAN ANTONIO EXPLORATION LTD., 200, 301 Third Avenue SW, Calgary, Alberta.

DESCRIPTION: The claims are underlain by metasedimentary rocks of the Permian Anarchist Group which here also includes a basaltic to andesitic metavolcanic horizon.

In the eastern half of the area there are monzonite-granite-pyrrhotite Valhalla plutonic rocks and these, in the northeast corner, are in fault contact with Paleocene Kettle River pyroclastic rocks.

WORK DONE: Geological mapping, 1:2000; geochemical surveys, 96 soil samples analysed for copper and zinc and 6 rock samples analysed for gold, silver, copper, zinc, and lead, on Reno 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 27; Assessment Reports 6899, 9079.

HK (Fig. E-1, NTS 82, No. 385)

LOCATION: Lat. 49° 27′ Long. 118° 58.5′ (82E/7W)
GREENWOOD M.D. Approximately 40 kilometres north of Greenwood, about 100 metres west of Crystal Creek.

CLAIMS: HK 1 to 10.

OPERATOR: ROY DENNIS KREGOSKY, Box 63, Westbridge.

METALS: (Zinc, lead, copper).

DESCRIPTION: The property is underlain by Anarchist Group (Paleozoic). Nelson intrusive rocks (Mesozoic) outcrop locally and along the southern boundary of the claims. Crystal Butte, to the north, consists of Phoenix Group (Cenozoic).

WORK DONE: Prospecting, covering all claims.

REFERENCE: Assessment Report 9238.

BARNATO (Fig. E-1, NTS 82, No. 49)

LOCATION: Lat. 49° 28′ Long. 118° 53′ (82E/7W)
GREENWOOD M.D. Thirty-four kilometres north of Westbridge, between Triple Lakes and the Kettle River.

CLAIMS: SILVER DOLLAR (Lot 2864), RAMBLER (Lot 2842), HUNTER (Lot 2861), BARNATO FR. (Lot 2865), HACKLA (Lot 2847), ANCHOR (Lot 2866), DENVER (Lot 2862), CHAMPION (Lot 2863), UTOPIA (Lot 2860), MONETOR (Lot 2858), YORKSHIRE LASS (Lot 3024), SILVER BELL (Lot 2644), BARNATO (Lot 2848), KAFFIR KING (Lot 2646), COIN FR. (Lot 615S), OK (Lot 573S), KINGSTON FR. (Lot 2839), NORTH STAR (Lot 2837), CALEDONIA (Lot 2836), HOUSTON (Lot 2302), BOSTON (Lot 2845), IVANHOE (Lot 5745), MONA (Lot 2841), KINGSTON (Lot 2300), MEXICO (Lot 2867), BOSTON (Lot 2301), HIGHLAND MARY (Lot 1462), 7:30 (Lot 1459), MONTANA FR. (Lot 2645), KETTLE 1 to 4 (20 units each), MAYFLOWER (Lot 1284), LILLIE MAY (Lot 1285), SUPERIOR (Lot 2786), JEWEL (Lot 2785), HARD TO BEAT (Lot 2846), RIVERSIDE (Lot 1256), GLOBE (Lot 2402).

OWNER: CARMAC RESOURCES LTD., 1450, 625 Howe Street, Vancouver V6C 2T6.

METALS: Gold, silver, copper.

DESCRIPTION: Underlain by andesite volcanic rocks of the Anarchist Group with plugs of diorite. Gold assays have been obtained from lenses of quartz with pyrrhotite, pyrite, and arsenopyrite. Veins are in three sets: east-west, north-south, and north-east.

WORK DONE: Geological mapping, 1:10 000; geochemical survey, 1 260 soil samples analysed for gold and silver, covering Kettle 1 and 2, Boston, Kingston, Caledonia, North Star, Silver Bell, Kaffir King, Mountain View, Hackla, and Barnato; airborne electromagnetic survey, 202 kilometres, covering Kettle 1 and 2.

(82E/7E)

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 28, 1979, p. 28; Assessment Reports 3021, 3022, 4238, 6751, 8703; Mineral Inventory 82E/SE-67, 69, 109, 157, 168.

LOLITA (Fig. E-1, NTS 82, No. 48)

LOCATION: Lat. 49° 20' Long. 118° 42' (82E/7E)
GREENWOOD M.D. Twenty-six kilometres north of Greenwood, 8 kilometres northwest of Almond Mountain.
CLAIM: LOLITA.
OWNER: R. G. THORP, Box 10, Rock Creek.
WORK DONE: Prospecting and linecutting.

GREEN (Fig. E-1, NTS 82, No. 47)

LOCATION: Lat. 49° 24.5' Long. 118° 41' (82E/7E)
GREENWOOD M.D. Approximately 13 kilometres west of the junction of Granby River and Gable Creek; Gable Creek runs through property.
CLAIMS: GREEN 1 (10 units), GREEN 2 (3 units), GREEN 3 (5 units).
OWNER: Charles Boitard.
OPERATOR: GREEN VALLEY MINE INC., 2245 West 13th Avenue, Vancouver V6K 2S4.
DESCRIPTION: The property is in an area of Lower Cretaceous Valhalla granite and porphyritic granite in contact with Coryell (Paleocene) syenite, monzonite, shonkinite, and granite.
WORK DONE: Ground electromagnetic survey, 3.1 kilometres, covering Green 1.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 27; 1978, p. E 27; 1979, p. 29; Assessment Reports 6617, 7154, 7848, 9551.

WEWA (Fig. E-1, NTS 82, No. 51)

LOCATION: Lat. 49° 17' Long. 118° 05' (82E/8E)
TRAIL CREEK M.D. Seventeen kilometres south-southeast of Renata, on the headwaters of Big Sheep Creek.
CLAIM: SCREECHING CAT (6 units).
OWNER: BRADFORD D. PEARSON, 7431 Lindsay Road, Richmond.
METALS: Molybdenum, copper.
WORK DONE: Geochemical survey, 152 soil and 18 silt samples analysed for molybdenum and fluorine.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 44; 1974, p. 59; Assessment Reports 3802, 5326, 7873; Mineral Inventory 82E/SE-167.

MIDAS (DEER PARK) (Fig. E-1, NTS 82, No. 50)

LOCATION: Lat. 49° 20' Long. 118° 02' (82E/8E)
TRAIL CREEK M.D. Eleven kilometres south-southeast of Renata, at the headwaters of Pup, Quinn, Shields, and Grass Creeks.
CLAIMS: NEW 1 (16 units), NEW 2 (20 units), NEW 3 (15 units), NEW 4 (12 units).
OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.
METALS: Molybdenum, copper.
DESCRIPTION: The property is underlain by a complex sequence of syenites, granite porphyries, and aplitic granites. A polylithic breccia pipe trends east-west across

the centre of the property. A northwest-striking, near-vertical swarm of feldspar porphyry dykes cuts both syenites and breccia. Molybdenite is associated with two of the granitic intrusives and two of the porphyry dykes as well as being found within the breccia.

WORK DONE: Diamond drilling, 1 NQ hole, totalling 762.6 metres, on New 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 49; 1974, p. 59; Bull. 9, pp. 16-18; Exploration in B.C., 1979, pp. 30, 31; Assessment Reports 4236, 5867, 5101, 5196, 5197, 7367, 8854; Mineral Inventory 82E/SE-162.

McKINLEY, BUFFALO (Fig. E-1, NTS 82, No. 382)

LOCATION: Lat. 49° 32.5′ Long. 118° 23′ (82E/9W)
GREENWOOD M.D. North of Grand Forks, in the old McKinley mining camp.

CLAIMS: BYSTANDER (Lot 1028S), ALPHA (Lot 1204), BRYAN (Lot 3241), MUNSTER (Lot 923S), WAVERLY (Lot 578S), BUFFALO (Lot 920S), BURRELL (18 units), IXL 1 and 2, CHANCE 1 to 4.

OWNERS: John W. Carson and James W. Wymer.

OPERATOR: E. LITTLE, 10D, 813 – 13th Avenue SE, Calgary, Alberta.

METALS: Gold, silver, lead, zinc, copper.

DESCRIPTION: The property is underlain by clastic sedimentary and volcanic rocks of the Permo-Carboniferous Anarchist Group including crystalline limestone. Intrusive rocks are Nelson (Cretaceous) granodiorites and monzonites and Coryell (Eocene) syenites and shonkinites. Malachite, chalcopyrite, sphalerite, galena, and pyrite occur disseminated and in fractures of the limestone, volcanic rocks, and a quartz vein.

WORK DONE: Geological mapping, 1:32 000, 1:1000; geochemical survey, 7 rock samples analysed for gold, silver, copper, lead, and zinc, covering IXL 1 and 2.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 155; Assessment Report 9584; Mineral Inventory 82E/NE-1, 8, 20.

LITTLE (Fig. E-1, NTS 82, No. 383)

LOCATION: Lat. 49° 33.5′ Long. 118° 20′ (82E/9W)
GREENWOOD M.D. Approximately 29.5 kilometres southwest of the settlement of Edgewood, with the western border touching the junction of Gloucester Creek and Burrell Creek.

CLAIMS: AXE 1 to 10, LITTLE (8 units), DAJG 1 to 5.

OWNERS: Rita Carson and John W. Carson.

OPERATOR: E. LITTLE, 10D, 813 – 13th Avenue SE, Calgary, Alberta.

METAL: Iron.

WORK DONE: Prospecting; geochemical survey, 70 soil samples analysed for copper, on Axe 1-10.

REFERENCES: *Geol. Surv., Canada*, Mem. 56, p. 169; Assessment Report 9583; Mineral Inventory 82E/NE-4.

YELLOW JACKET (Fig. E-1, NTS 82, No. 54)

LOCATION: Lat. 49° 34′ Long. 118° 22′ (82E/9W)
GREENWOOD M.D. Claims are bordered by Franklin Creek on the west and Burrell Creek on the east and overlie Mount Franklin.

CLAIMS: SPRING 1 to 9, ECLIPSE (Lot 925S), ATHELSTAN (Lot 1325S), AX (Lot 927S), ALTO FR. (Lot 926S), EGANVILLE (Lot 1016S), YELLOW JACKET (Lot 924S), VIOLET FR. (Lot 588S), HENNEKINN (Lot 439S), VERDE (Lot 1011S), EVENING STAR (Lot 1321S), MAC 1, MAY Fraction, UNION (Lot 1022), UNION FR. (Lot 1678), IDAHO (Lot 1679), PAPER DOLLAR (Lot 1677), HOMESTAKE (Lot 589S), DEADWOOD (Lot 590S).

OWNER: PEARL RESOURCES LTD., c/o J. T. Lau, 3000, 1055 West Georgia Street, Vancouver V6E 3R3.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: A northerly trending sequence of volcanic and related fragmental and sedimentary rocks (Anarchist Group) is crossed by a westerly trending structure in which the Union mine deposit occurred.

WORK DONE: 1979 – geological mapping, 1:960, on Idaho and Union; 1980 – geological mapping, 1:480; diamond drilling, 5 BQ holes, totalling 675.45 metres, on Union.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 29; *Geol. Surv., Canada*, Mem. 56, p. 167; Assessment Reports 1688, 6340, 8126, 9115; Mineral Inventory 82E/NE-2, 21.

JIM (Fig. E-1, NTS 82, No. 52)

LOCATION: Lat. 49° 38′ Long. 118° 17′ (82E/9W)
GREENWOOD M.D. Nineteen kilometres southwest of Edgewood, 5 kilometres northeast of Tenderloin Mountain.

CLAIMS: JIM 1 to 8.

OWNER: CHARLIE VARABIOFF, RR 1, Grand Forks.

WORK DONE: Trenching and stripping, 300 square metres, on Jim 1, 2, 5, and 7; linecutting, 3 kilometres, on all claims.

DOE, BEAR (Fig. E-1, NTS 82, No. 53)

LOCATION: Lat. 49° 31.5′ Long. 120° 22′ (82E/9W)
GREENWOOD M.D. Fifty-three kilometres north of Grand Forks, extending south from the junction of Burrell and Franklin Creeks.

CLAIMS: ALCO (20 units), ALCO 4 (10 units), ALCO 5 (16 units), ALCO 6 (8 units), ALCO 7 (1 unit), ALCO 8 (1 unit).

OWNER: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.

METALS: Copper, molybdenum.

DESCRIPTION: The oldest rocks on the claims include the Anarchist limestones. These have been intruded by granodiorites of the Nelson Group, resulting in skarnification and local pyrite mineralization in the limestones. This was followed by the intrusion of the Valhalla granites exposed in the eastern portion of the mineral property. Later, intrusive syenites of the Coryell Group and volcanic rocks of the Kettle River Group were emplaced. Copper and molybdenum mineralization is present along fractures in the Nelson granodiorite.

WORK DONE: Geological mapping, 1:7500, covering all claims; linecutting, 60.65 kilometres; geochemical survey, 1 120 soil, 7 silt, and 5 rock samples analysed for copper, molybdenum, lead, and zinc, on Alco, Alco 4-6.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 28; Assessment Reports 1845, 6018, 8610; Mineral Inventory 82E/NE-13, 14.

FUKI, DONEN (Fig. E-1, NTS 82, No. 388)

LOCATION: Lat. 49° 33′ Long. 118° 52′ (82E/10W)
GREENWOOD M.D. This contiguous group of claims lies approximately 24 to 32 kilometres northeast of Beaverdell.

CLAIMS: PB 180 to 198, 208, 209, 212 to 214, 250 to 289, FUKI 1 to 40, PNC 1, 3, DONEN 43 to 46, 61 to 64, 93, 95, 99 to 104, 108, 112, 281 to 320, 361.

OWNER: PNC EXPLORATION CANADA CO. LTD., 3060, 650 West Georgia Street, Vancouver.

METAL: Uranium.

DESCRIPTION: The characteristic geology of the Cup Lake, Fuki, and Collier claims is a plutonic basement rock, a layer of poorly consolidated basalt-sandstone-conglomerate, and overburden basaltic caprock claystone. Secondary uranium minerals occur in sandstone-conglomerate concentrated in paleochannels.

WORK DONE: 1979 – road building; diamond drilling, 114 NQ holes, totalling 6 155.7 metres; radiometric drill hole probing, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 31; 1978, pp. E 29-E 31, 1979, p. 35; Assessment Reports 2013, 2484, 3135, 3775, 4630, 5090, 5570, 5972, 5982, 8105; Mineral Inventory 82E/NE-15, 46, 47.

CARMI MOLYBDENUM, IVY, CAPCO (Fig. E-1, NTS 82, No. 384)

LOCATION: Lat. 49° 31′ Long. 119° 12′ (82E/11E, 6E)
GREENWOOD M.D. Ten kilometres north-northwest of Beaverdell, covering the ground northwest of Carmi.

CLAIMS: IVY 20 to 35, DOE 1 to 4, MARY O 8, 28 to 33, CAPCO 56 to 59, 61 to 63, 68 to 71, 78, 79, MY 8, 29, 30, MARC 1 to 24, CA 1 to 15.

OWNER: UNION OIL CO. OF CANADA LTD., 335, Eighth Avenue SW, Calgary, Alberta T2P 2K6.

METALS: Molybdenum, (copper, zinc, silver, gold, uranium).

DESCRIPTION: Molybdenite, the main economic mineral on the property, occurs in disseminated form predominantly within several breccia zones and also locally within greisen zones. The breccia zones are enclosed within diorite and quartz diorite of Jurassic to Cretaceous age which form part of the regional Nelson batholith, and are underlain by a partially unroofed stock of leucocratic Valhalla quartz monzonite. Molybdenite concentrations are indicative of a low-grade, large tonnage molybdenum deposit.

WORK DONE: Geological mapping, 1:10 000; geochemical survey, 24 water samples analysed for molybdenum, copper, zinc, and uranium; 45 soil, silt, and rock-chip samples analysed for molybdenum, copper, lead, zinc, silver, nickel, cobalt, iron, manganese, and uranium, covering Mary O 29-31, CA 4, 14, MY 8; down hole induced polarization, resistivity, 3 holes, totalling 1 100 metres; diamond drilling, 6 NQ holes, totalling 2460 metres, on CA 2, 3, 4; induced polarization, 16.8 kilometres; linecutting, 16.8 kilometres, on CA 2, 4, 5; road building and reclamation, 1.1 kilometres, on CA 2, 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 33, E 34; 1978, pp. E 33, E 34; 1979, pp. 41, 42; Assessment Reports 5203, 5204, 5430, 5519, 5860, 6025, 6276, 6932, 7413, 7683, 7900, 8356; Mineral Inventory 82E/NW-37, 82E/SW-104.

D (Fig. E-1, NTS 82, No. 56)

LOCATION: Lat. 49° 43.5′ Long. 119° 07′ (82E/11E)
GREENWOOD M.D. *Thirty-two kilometres* southeast of Kelowna, at the junction of Kallis and Hermon Creeks.

CLAIM: D1 (6 units).

OWNER: PNC EXPLORATION CANADA CO. LTD., 3060, 650 West Georgia Street, Vancouver V6B 4N8.

WORK DONE: 1979 – topographical mapping, 1:5000; photo interpretation; geochemical survey, water, covering D1.

REFERENCE: Assessment Report 7865.

OKANAGAN (Fig. E-1, NTS 82, No. 57)

LOCATION: Lat. 49° 31′ Long. 119° 35′ (82E/12E)
OSOYOOS M.D. One kilometre northeast of Penticton, on the east shore of Okanagan Lake.

CLAIM: LAKESHORE (Lot 557).

OWNER: Walter Bonin.

OPERATOR: ASHNOLA MINING CO. LTD., 414 Ellis Street, Penticton V2A 4M2.

METALS: Gold, silver, lead, zinc.

WORK DONE: Underground development.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 43; *Minister of Mines, B.C.*, Ann. Rept., 1934, pp. D33, 34; 1952, pp. 41, 138; Mineral Inventory 82E/NW-29.

GLEN (Fig. E-1, NTS 82, No. 58)

LOCATION: Lat. 49° 44′ Long. 119° 57′ (82E/12W)
OSOYOOS M.D. Sixteen kilometres west-southwest from Peachland, 2 kilometres south of Tsuh Lake.

CLAIM: GLEN (9 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: (Copper, molybdenum).

DESCRIPTION: The claim covers part of a large zinc-molybdenum soil anomaly. Quartz-sericite veinlets containing minor pyrite, chalcopyrite, sphalerite, and molybdenite occur in highly fractured quartz monzonite on the east edge of the property.

WORK DONE: Geological mapping, 1:7380; linecutting, 13 kilometres; geochemical survey, 42 soil samples analysed for copper, zinc, molybdenum, on Glen.

REFERENCES: Assessment Reports 5318, 6399, 6558, 8921.

DECANO (Fig. E-1, NTS 92, No. 150)

LOCATION: Lat. 49° 45′ Long. 120° 00′ (92H/9E, 16E; 82E/12W, 13W)
Report on this property in section 92H/9E.

ALFY, BEAR (Fig. E-1, NTS 82, No. 312)

LOCATION: Lat. 50° 01′ Long. 119° 47′ (82E/13; 82L/4W)
NICOLA AND VERNON M.D. Approximately 10 kilometres east of where Alocin Creek meets Nicola River, with Whiterocks Mountain lying in the centre of the claim group.

(82E/13W)

CLAIMS: TAD 1 to 12, TAD 14 to 22 (totalling 205 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: Molybdenum and pyrite occur in quartz veinlets in a quartz porphyry stock. Drilling in 1980 indicated a stellate-shaped zone (at least 1 200 by 200 to 600 metres) that showed intersections of 0.030 to 0.054 per cent molybdenite in 22 holes. This zone is open to depth and appears to plunge shallowly to the north and south.
WORK DONE: Percussion drilling, 35 holes, totalling 2 091 metres, on Tad 1-12, Tad 14, Tad 19-22.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 79, E 80; 1978, p. E 93; 1979, p. 101; Assessment Reports 1896, 2255, 5341, 5568, 6732, 7596, 7269, 8457, 8664; Mineral Inventory 82L/SW-5, 9.

COLLEX, LAKEVIEW **(Fig. E-1, NTS 82, No. 62)**

LOCATION: Lat. 49° 47' Long. 119° 47' (82E/13W)
OSOYOOS M.D. Three kilometres west of Peachland, extending south from McCall Lakes and lying west of McCall Creek.
CLAIMS: MacCALL 1 (6 units), F&B 1 to 4, 7 to 12.
OWNERS: Brenda Mines Ltd., C. Brett, and R. Fulks.
OPERATOR: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.
METALS: Copper, lead, zinc, molybdenum.
DESCRIPTION: The property is underlain chiefly by propylitized granodiorite, locally strongly mafic, inclining toward diorite. This unit is bounded on the north and northeast by older Nicola andesitic volcanic rocks with rhyolite and metasedimentary rocks. Dykes of amphibolite to gabbro occur in the south, and also small syenite and quartz monzonite plugs are present.
WORK DONE: 1979 – prospecting, on MacCall; 1980 – geological mapping, 1:7500; geochemical survey, 134 soil samples analysed for copper, molybdenum, lead, zinc, and silver covering all claims; trench sampling, 207 rock samples assayed for copper, molybdenum, lead, zinc, silver, and gold, on F&B 1 and 2.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 213 (Silver Bell); Assessment Reports 673, 928, 8148, 9077; Mineral Inventory 82E/NW-10, 20.

IRON HORSE **(Fig. E-1, NTS 82, No. 59)**

LOCATION: Lat. 49° 48.5' Long. 119° 54' (82E/13W)
OSOYOOS M.D. Ten kilometres west-northwest of Peachland, between Greata and Peachland Creeks.
CLAIM: IRON HORSE (20 units).
OWNER: Brican Resources Ltd.
OPERATOR: ESSO RESOURCES CANADA LTD., 500, 1281 West Georgia Street, Vancouver.
METALS: Copper, lead, zinc, gold.
DESCRIPTION: The property is underlain by limestone with minor argillites and lime-silicate rocks intruded by granite. Pyrite, pyrrhotite, chalcopyrite, arsenopyrite, sphalerite, and galena occur as disseminations, as replacements, and in rare veins. One 3-metre-wide vein exposed for 60 metres carries heavy pyrite, pyrrhotite, chalcopyrite, and arsenopyrite.

WORK DONE: Linecutting, 24 kilometres; ground magnetometer survey, 48 kilometres, covering Iron Horse.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1898, p. 1130; 1899, p. 748; 1936, p. 26; 1967, p. 212; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 38; 1979, p. 46; Assessment Reports 718, 1110, 8143 (2); Mineral Inventory 82E/NW-25.

SIL (Fig. E-1, NTS 82, No. 60)

LOCATION: Lat. 49° 50.5′ Long. 119° 51′ (82E/13W)
OSOYOOS M.D. Twenty-five kilometres west-southwest of Kelowna, 1 kilometre northwest of Silver Lake.

CLAIM: RHYOLITE (12 units).

OWNER: Brican Resources Ltd.

OPERATOR: ESSO RESOURCES CANADA LTD., 500, 1281 West Georgia Street, Vancouver.

METALS: Copper, molybdenum, zinc.

DESCRIPTION: Agglomerate, rhyolite, and tuff are intruded by hornblende micromonzonite and biotite granodiorite, and cut by numerous dykes. A 10-metre gossan vein carrying minor molybdenite occurs in the monzonite with associated chlorite, sericite, and kaolinite alteration. Molybdenite, malachite, and chalcopyrite occur with pyrite and pyrrhotite in hornfelsed volcanic rocks.

WORK DONE: Ground magnetometer survey, 10 kilometres, covering Rhyolite.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1936, p. D 26; 1966, pp. 185, 186; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. E 62; Exploration in B.C., 1975; pp. E 27, E 28; 1977, p. E 40; 1979, p. 46; Assessment Reports 886, 5319; Mineral Inventory 82E/NW-49.

MAURICE (Fig. E-1, NTS 82, No. 61)

LOCATION: Lat. 49° 55′ Long. 119° 49′ (82E/13W)
VERNON M.D. Sixteen kilometres northeast of Westbank, on the northwest shore of Jackpine Lake.

CLAIMS: MAURICE 1 to 4, MAURICE 5 to 8.

OWNER: M. R. CHAPLIN, Box 737, Westbank V0H 2A0.

METALS: Molybdenum, copper, silver.

DESCRIPTION: The property is underlain by coarse quartz monzonites of the Pennask batholith. Within the central portion of the property a series of small quartz veins host weak pyrite and molybdenite mineralization.

WORK DONE: Prospecting, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 31; 1977, p. E 35; 1978, p. E 37; 1979, p. 47 (Jackpine); Assessment Report 7986; Mineral Inventory 82E/NW-7.

SIMON (Fig. E-1, NTS 92, No. 179)

LOCATION: Lat. 49° 50′ Long. 119° 50′ (92H/16E; 82E/13W)
Report on this property in 92H/16E.

MARG **(Fig. E-1, NTS 82, No. 391)**

LOCATION: Lat. 49° 46′ Long. 120° 00′ (82E/13W; 92H/16E)
SIMILKAMEEN M.D. Nineteen kilometres west of Peachland and 16 kilometres south of Brenda mine, just south of Glen Lake.

CLAIMS: MARG (10 units), MARG 2 (10 units), MARG 3 (20 units), MARG 4 (16 units).

OWNER: IAN G. SUTHERLAND, 304, 2119 West 42nd Avenue, Vancouver.

METAL: (Copper).

DESCRIPTION: Pyrite and minor chalcopyrite occur in altered multiphase quartz diorite of the Coast Range intrusive complex.

WORK DONE: 1979 – geological mapping, 1:17 000, covering Marg.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 45; Assessment Report 7790, 8798.

BLUE HAWK **(Fig. E-1, NTS 82, No. 390)**

LOCATION: Lat. 49° 58′ Long. 119° 31′ (82E/13E)
VERNON M.D. Approximately 8 kilometres north of Westside.

CLAIMS: BEAR 1 (20 units), BEAR 2 (20 units), BEAR 3 (18 units), BEAR 4 (1 unit).

OWNER: N. C. LENARD, Box 863, Westbank V0H 2A0.

METALS: Copper, silver, gold, lead.

DESCRIPTION: The property is underlain by the south edge of a Cretaceous granodiorite batholith which has a northwesterly trending contact with intruded Cache Creek metasedimentary rocks. Later Tertiary volcanic rocks intruded and covered the Permian beds in the southwest of Bear 2 claim.

WORK DONE: Geological mapping, 1:4800, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 62; Assessment Reports 1894, 3934, 9074; Mineral Inventory 82E/NW-2.

NOGAN **(Fig. E-1, NTS 82, No. 389)**

LOCATION: Lat. 49° 58′ Long. 119° 43′ (82E/13E)
VERNON M.D. Approximately 21 kilometres south to Peachland, with Lambly Lake 1 kilometre south.

CLAIMS: NOGAN 1 (6 units), NOGAN 2 (2 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

DESCRIPTION: The property is underlain by Cache Creek limy argillites and argillites. The dominant rock type within the property boundaries is a limy argillite in part skarnified and hornfelsic. Contact metamorphism appears to increase toward the southeast and fades toward the northwest. The limy argillite strikes north 80 degrees west and dips vertically. A mafic-rich diorite and hornblendite occurs northeast of the argillite belt.

WORK DONE: Geological mapping, 1:5000; geochemical surveys, 95 soil samples analysed for gold, silver, lead, and arsenic; 11 rock samples analysed for gold, silver, and arsenic; and 1 water sample analysed for copper, molybdenum, lead, and zinc, covering both claims.

REFERENCE: Assessment Report 9186.

GEO (Fig. E-1, NTS 82, No. 66)

LOCATION: Lat. 49° 54′ Long. 118° 30′ (82E/15E, 16W)
VERNON M.D. Approximately 29 kilometres west of Needles, immediately west of Rampalo Creek and northeast of Lightning Peak.

CLAIMS: GEO 1 (6 units), GEO 2 (15 units), GEO 3 (5 units).

OPERATOR: AMORE MINERALS INC., 575 Richards Street, Vancouver.

DESCRIPTION: The property is within an area of Anarchist Group sedimentary rocks and volcanic rocks (Permian) intruded by Nelson and Valhalla granitic rocks. Mineralization in the area is skarn type: magnetite, pyrite, pyrrhotite, sphalerite, chalcopyrite, and argentiferous galena.

WORK DONE: Linecutting, 10 kilometres; ground electromagnetic survey and ground magnetometer survey, 25 kilometres; geochemical survey, 316 soil samples analysed for copper, lead, zinc, and silver, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 45; Assessment Reports 6825, 8268, 8389.

WATERLOO 3 (Fig. E-1, NTS 82, No. 64)

LOCATION: Lat. 49° 54′ Long. 118° 33′ (82E/15E)
VERNON M.D. Thirty-five kilometres west of Fauquier, 2 kilometres northwest of Lightning Peak on Waterloo Creek.

CLAIMS: WATERLOO (Lot 4815), GRIZZ 1 to 3.

OWNER: W. G. Botel.

OPERATOR: VEERMAN BOTEL LTD., 1102, 675 West Hastings Street, Vancouver.

METALS: Silver, lead, zinc.

DESCRIPTION: High-grade silver minerals occur along a steep north-dipping easterly trending vein zone. The vein roughly follows a contact between schistose sediments and limestone. The best mineralization appears to be confined to the area where the vein is within the limestone member.

WORK DONE: Underground development, on Waterloo.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1966, p. 191; 1967, p. 223; 1968, p. 224; *Geol. Surv., Canada*, Sum. Rept., 1930, Pt. A, pp. 99-103; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 300; Assessment Reports 817, 1812, 2330; Mineral Inventory 82E/NE-17.

JILL (Fig. E-1, NTS 82, No. 63)

LOCATION: Lat. 49° 54′ Long. 118° 41′ (82E/15E)
VERNON M.D. Forty-two kilometres north of Christian Valley, on the south side of Winnifred Creek, 1 kilometre east of the Kettle River.

CLAIMS: JILL 1 to 4.

OPERATOR: G. W. MONKS, 1, 477 Van Horne Street, Penticton V2A 4K7.

METALS: Silver, lead, zinc.

DESCRIPTION: A quartz vein occurs in an area of monzonite and micaceous schist.

WORK DONE: Trenching, 3 metres by 1.5 metres by 1 metre, on Jill 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 46; 1979, p. 51; Mineral Inventory 82E/NE-67.

BS (Fig. E-1, NTS 82, No. 392)

LOCATION: Lat. 49° 56′ Long. 118° 42′ (82E/15E)
VERNON M.D. Approximately 2.5 kilometres due north of the Kettle River-Winnifred Creek junction, situated on both sides of Kettle River.

CLAIMS: SAB 1 (15 units), SAB 2 (15 units), SAB 3 (9 units), SAB 4 (16 units), SAB 5 (18 units), SAB 6 (15 units), SAB 7 (15 units), SAB 8 (12 units).

OWNER: R. W. Yorke-Hardy.

OPERATOR: MOHAWK OIL CO. LTD., 203, 3401 – 33rd Street, Vernon V1T 7X7.

METALS: Lead, zinc, gold, silver.

DESCRIPTION: Outcrops and drilling indicate that mineralization is centred at the intersection of northeasterly and northwesterly trending faults. Pyrite, galena, sphalerite, silver, and gold values occur disseminated and in quartz veins in an argillic alteration zone.

WORK DONE: Diamond drilling, 25 NQ holes, totalling 3 114 metres, on SAB 3 and 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 46; 1979, p. 52; Assessment Reports 4979, 7259, 9576; Mineral Inventory 82E/NE-44.

PAY DAY, PAY CHECK (Fig. E-1, NTS 82, No. 67)

LOCATION: Lat. 49° 53.5′ Long. 118° 29′ (82E/16W)
VERNON M.D. Twenty-eight kilometres west of Needles, west of the north fork of Rampalo Creek and 3 kilometres northeast of Lightning Peak.

CLAIM: PAY DAY (6 units).

OWNER: K. L. DAUGHTRY, Box 795, Vernon.

METALS: Silver, zinc, copper, lead.

DESCRIPTION: Heavy sulphide mineralization, comprising pyrite, sphalerite, chalcopyrite, and galena, accompanied by magnetite, occurs in a sheared and fractured zone in a sequence of andesitic to rhyolitic flows and pyroclastic rocks in a roof pendant of Upper Paleozoic or Triassic sedimentary and volcanic rocks surrounded by Mesozoic batholithic plutons. The faults are parallel or subparallel to the strike of the host rocks, and the mineralization may be stratiform.

WORK DONE: Geological mapping, 1:600, on Pay Day.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1929, p. 256; 1930, pp. 224-246; 1932, p. 125; 1933, pp. 149-153; 1955, p. 145; 1968, p. 224; *B.C. Ministry of Energy, Mines & Pet Res.*, GEM, 1969, pp. 300, 301; 1973, p. 53; 1974; pp. 66, 67; *Geol. Surv., Canada*, Sum. Rept., 1930, Pt. A, pp. 114, 115 (Cairnes); Assessment Reports 817, 1812, 2330, 4857, 5528, 8565; Mineral Inventory 82E/NE-37.

TP (Fig. E-1, NTS 82, No. 68)

LOCATION: Lat. 49° 55′ Long. 118° 29′ (82E/16W)
VERNON M.D. Twenty-seven kilometres west-northwest of Needles, 6 kilometres northeast of Lightning Peak, covering the headwaters of Teepee Creek.

CLAIMS: TEEPEE 1 and 2 (20 units each).

OPERATOR: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by granite, porphyritic granite, and quartz monzonite Nelson intrusive rocks (Cretaceous), and metasedimentary and metavolcanic rocks of the Anarchist Group (Permian).

WORK DONE: Geochemical survey, 217 soil samples analysed for molybdenum, copper, zinc, and lead, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, pp. E 40, E 41; Assessment Reports 7862, 6430; Mineral Inventory 82E/NE-49.

NELSON 82F

HAWK (Fig. E-1, NTS 82, No. 393)

LOCATION: Lat. 49° 05′ Long. 116° 06′ (82F/1E)
FORT STEELE M.D. Approximately 30 kilometres west of Creston, with Hawkins Creek cutting through the northeast corner of property, immediately southeast of Yahk.

CLAIM: HAWK 1 (20 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

DESCRIPTION: The property is underlain by rocks of the Aldridge Formation.

WORK DONE: Geochemical survey, 465 soil samples analyzed for lead and zinc, on Hawk.

REFERENCE: Assessment Report 9179.

YAHK (Fig. E-1, NTS 82, No. 70)

LOCATION: Lat. 49° 07′ Long. 116° 04′ (82F/1E)
FORT STEELE M.D. Five kilometres northeast from Yahk, on the west side of the Moyie River, between Christopher and Englishman Creeks.

CLAIMS: YAHK 1 (20 units), YAHK 2 (5 units), YAHK 3 (4 units).

OWNER: KENNCO EXPLORATIONS, (WESTERN) LTD., 730, 505 Burrard Street, Vancouver V7X 1M4.

DESCRIPTION: Metasiltstones of the Lower Aldridge Formation are intruded by a hornblende diorite probably correlative with the Moyie sills. Weakly anomalous values for lead and zinc in soil samples are related to the margins of the sill.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 90 soil samples analysed for lead and zinc, on Yahk 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 53; Assessment Report 7626.

YAHK (Fig. E-1, NTS 82, No. 203)

LOCATION: Lat. 49° 07′ Long. 115° 58′ (82F/1E; 82G/4W)
FORT STEELE M.D. Approximately 9 kilometres east of Yahk, extending from Hawkins Creek to Manson Creek.

CLAIMS: YAHK (18 units), ALDER (20 units), TOURM (20 units), MANSON (9 units), RYAN (12 units), COLD (16 units).

OWNER: ST. EUGENE MINING CORP. LTD., 700, 1112 West Pender Street, Vancouver V6E 2S1.

DESCRIPTION: Scarce outcrops consist of quartzites, wackes, siltstones, and argillites of the Aldridge Formation which is intruded by gabbroic sills and dykes. Bedding dips 10 degrees easterly.

WORK DONE: Road building, 8.2 kilometres and diamond drilling, 8 BQ holes, totalling 1 086 metres, on Yahk and Larch; linecutting, 29.6 kilometres, on Yahk, Tourm, Manson, and Ryan; geochemical survey, 761 soil samples analysed for copper, lead, zinc, silver, cadmium, iron, molybdenum, and fluorine, on Yahk, Manson, Ryan, and Gold; ground magnetometer survey, 9.5 kilometres and ground electromagnetic survey, 11.4 kilometres, on Manson.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 52, 53; Assessment Reports 7785, 8134, 8182, 8217, 8274, 8275.

HAWK (Fig. E-1, NTS 82, No. 71)

LOCATION: Lat. 49° 00′ Long. 116° 26′ (82F/1W)
NELSON M.D. Approximately 12 kilometres south-southeast of Creston on Huscroft Creek, at the International Boundary.

CLAIMS: HAWK, HAWK 1 and 3.

OWNERS: H.J.H. YERBURY, Lister, and E. C. SHUNTER, Box 1501, Creston V9B 1G0.

METALS: Silver, lead, gold, copper.

DESCRIPTION: Chalcopyrite, malachite, silver, and gold occur in gabbro near the Aldridge Formation.

WORK DONE: Underground development, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 47; 1979, p. 53; Mineral Inventory 82F/SE-86.

CANADA BELLE (Fig. E-1, NTS 82, No. 73)

LOCATION: Lat. 49° 02′ Long. 116° 55′ (82F/2W)
NELSON M.D. Twenty-nine kilometres west-southwest of Creston on the west flank of North Star Mountain.

CLAIMS: CANADA BELLE 1 and 2, YS 1 and 2.

OWNERS: E. C. SHUNTER, Box 1501, Creston V0B 1G0 and H.J.H. YERBURY, Lister.

METALS: Silver, lead, zinc.

DESCRIPTION: A series of sparsely mineralized quartz veins.

WORK DONE: Open cut, 12 cubic metres, on Canada Belle 2; open cut, 13 cubic metres, on YS 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 54; *Ministry of Mines, B.C.*, Ann. Rept., 1955, p. 54; Mineral Inventory 82F/SE-54.

GIANT, MIDGET (Fig. E-1, NTS 82, No. 74)

LOCATION: Lat. 49° 02′ Long. 116° 56′ (82F/2W)
NELSON M.D. Approximately 30 kilometres west-southwest of Creston, along the Priest River and about 2 kilometres north of the International Boundary.

CLAIMS: GIANT 1 to 16, MIDGET, MIDGET A, MIDGET B, MIDGET C, MIDGET D, SILVER KING, SILVER KING A, SILVER KING B, SILVER KING C.

OWNERS: E.C. SHUNTER and FLORENCE N. SHUNTER, Box 1501, Creston V0B 1G0 and D.E. SHUNTER, 765 Ross Avenue, Penticton V2A 3A5.

(82F/2W)

METALS: Copper, silver, lead.
DESCRIPTION: Galena, tetrahedrite, malachite, and pyrite are found in scattered grains and bunches in massive quartz veins.
WORK DONE: Open cut, 63 cubic metres, on Midget; open cut, 72 cubic metres, on Midget D; open cut, 60 cubic metres, on Giant 2; open cut, 56 cubic metres, on Giant 4; open cut, 24 cubic metres, on Silver King; open cut, 16 cubic metres, on Silver King B.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 445; Exploration in B.C., 1978, p. E 48; Mineral Inventory 82F/SE-11.

GOLDEN KING (Fig. E-1, NTS 82, No. 76)

LOCATION: Lat. 49° 03′ Long. 116° 57′ (82F/2W)
NELSON M.D. Thirty-three kilometres west of Creston, on the south slope of Mount Irene and north of Monk Creek.
CLAIMS: GOLDEN KING NO. 1, GOLDEN KING NO. 2, GOLDEN KING NO. 3.
OWNERS: E. C. SHUNTER and FLORENCE N. SHUNTER, Box 1501, Creston V0B 1G0 and D. E. SHUNTER, 765 Ross Avenue, Penticton V2A 3A5.
DESCRIPTION: Sulphides and pyrite are found in scattered grains in massive quartz veins.
WORK DONE: Small pits, 24.5 cubic metres, on Golden King No. 1.

SHUNTER (Fig. E-1, NTS 82, No. 75)

LOCATION: Lat. 49° 04′ Long. 116° 56′ (82F/2W)
NELSON M.D. Thirty kilometres west of Creston, 1 kilometre northeast of Mount Irene.
CLAIMS: SHUNTER A, SHUNTER B, SHUNTER C, SHUNTER D.
OWNER: E. C. SHUNTER, Box 1501, Creston V0B 1G0.
DESCRIPTION: Sulphides and pyrite are found in quartzite and in a massive quartz vein.
WORK DONE: Small pits, 40 cubic metres, on Shunter C and Shunter D.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 47; 1979, p. 55.

BAYONNE, ECHO (Fig. E-1, NTS 82, No. 72)

LOCATION: Lat. 49° 09′ Long. 116° 57′ (82F/2W)
NELSON M.D. Thirty-two kilometres west-northwest of Creston, on John Bull Mountain.
CLAIMS: BAYONNE (Lot 5083), COLUMBUS (Lot 5961), OHIO (Lot 5962), NEW JERSEY (Lot 5967), VIRGINIA (Lot 6887), SKOOKUM (Lot 9630), OXFORD (Lot 5084), DELAWARE (Lot 5960), ILLINOIS (Lot 6888), ECHO (Lot 13014), ECHO FR. (Lot 13015), ONTARIO (Lot 13016), PORTLAND (Lot 13017), ST. ELMO FR. (Lot 13018), IDAHO (Lot 13019), MARYLAND (Lot 5085), KENTUCKY (Lot 5966).
OWNER: GOLDRICH RESOURCES INC., 504, 475 Howe Street, Vancouver V6C 2B3.
METALS: Gold, silver, lead, zinc.
DESCRIPTION: The property is underlain by fine to medium-grained granodiorite of Mesozoic age intruding green argillaceous quartzite, limestone, and coarse sediments of the Horsethief Creek series of Late Precambrian age. Mineralization consists of a principal quartz-filled fissure vein (Main vein) that strikes north 80 degrees east, dips vertically, and has been traced for 750

metres. The second fissure splits off the main vein (A vein) to the southwest and has been traced for 550 metres. Veins vary in width but average about 0.5 metre. Gold and silver in commercial quantities occur associated with pyrite, galena, sphalerite, and chalcopyrite.

WORK DONE: Road repair; underground development; and diamond drilling, on Ohio.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1937, pp. 12-16; 1963, p. 72; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 20, Part II, p. 13; Mineral Inventory 82F/SE-30, 31.

FREE SILVER, STEWART (Fig. E-1, NTS 82, No. 81)

LOCATION: Lat. 49° 16.5′ Long. 117° 17′ (82F/3)
NELSON M.D. Centre of claims is approximately 9 kilometres north of Salmo, extending west from Ymir and north from Yellowstone Peak.

CLAIMS: STEWART 1 to 13, HOULTON (Lot 4626), PRINCESS (Lot 4647), MAGGIE (Lot 5144), ROYAL (Lot 5322), RUBY (Lot 2904), JACK 1 (Lot 1598), JACK 2 (Lot 1599).

OWNER: SHELL CANADA RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

METALS: Lead, zinc, silver, molybdenum, tungsten.

DESCRIPTION: The property is underlain by sequences of the Elise (Rossland) volcanic series, Hall sedimentary series, and localized intrusive rocks of the Nelson and Coryell plutonic series. Pyrite, pyrrhotite, sphalerite, and galena occur in a fissure vein quartz-carbonate gangue. Scheelite occurs in skarn zones, breccia pipes, and quartz stockwork. Molybdenite occurs in quartz stringers.

WORK DONE: Geological mapping, covering all claims; diamond drilling, 289.6 metres, on Stewart 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 45; 1978, p. E 55; 1979, p. 57; Assessment Reports 7074, 7722; Mineral Inventory 82F/SW-70, 229, 251, 277.

LUCKY STRIKE, LONE STAR (Fig. E-1, NTS 82, No. 394)

LOCATION: Lat. 49° 03′ Long. 117° 15′ (82F/3E)
NELSON M.D. Approximately 1 kilometre south-southwest of the junction of Wilson Creek and Salmo River, approximately 7 kilometres west-northwest of the junction of Stagleap Creek and Salmo River.

CLAIMS: TUR 1 to 5.

OWNER: E. R. ROCKEL, 344 Parkland Way SE, Calgary, Alberta T2J 4L2.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The assessment report notes only the proximity of a possible intersection between the Black Buff fault and the Styx Creek fault.

WORK DONE: Ground electromagnetic survey and ground magnetotometer survey, 1.35 kilometres, covering Tur 1, 2, 3, and 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 490; Assessment Report 9165; Mineral Inventory 82F/SW-19, 62, 257.

MUT (Fig. E-1, NTS 82, No. 82)

LOCATION: Lat. 49° 05′ Long. 117° 12′ (82F/3E)
NELSON M.D. Centred 13 kilometres south-southeast of Salmo, extending from Nevada Mountain southwest to Wilson Creek.

CLAIMS: MUT 1 to 6.

(82F/3E)

OWNERS: I. G. Sutherland and J. M. Mirko.

OPERATOR: BP MINERALS LTD., 333 Fifth Avenue SW, Calgary, Alberta T2P 3B6.

METALS: Molybdenum, tungsten.

DESCRIPTION: The property is underlain by black argillite and eastern belts of the Kootenay Arc. The eastern belt is Cambrian; the black argillite is Ordovician. The belts are intruded by granite of the Lost Creek stock. The contact between the two belts is marked by the Black Buff thrust fault.

WORK DONE: Diamond drilling, 3 BQ holes, totalling 478.7 metres, on Mut 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 49; 1979, p. 55; Assessment Reports 6667, 7041, 7849, 8564; Mineral Inventory 82F/SW-280.

TUNGSTEN KING, TRUMAN, VICTORY (Fig. E-1, NTS 82, No. 85)

LOCATION: Lat. 49° 05' Long. 117° 15' (82F/3E)
NELSON M.D. Thirteen kilometres south of Salmo, 2.5 kilometres east of the Salmo River and straddling Lost Creek.

CLAIMS: TRUMAN NO. 1 (Lot 15468), TRUMAN NO. 3 (Lot 15469), TRUMAN NO. 8 (Lot 15429), TRUMAN NO. 9 (Lot 15432), TRUMAN NO. 10 (Lot 15433), TRUMAN NO. FR. (Lot 15434), TRUMAN NO. 5 (Lot 15435), TRUMAN NO. 7 (Lot 15436), TRUMAN NO. 12 FR. (Lot 15437), TRUMAN NO. 13 FR. (Lot 15438), TRUMAN NO. 6 (Lot 15439), TRUMAN NO. 14 FR. (Lot 15466), TRUMAN NO. 2 (Lot 15467), TRUMAN NO. 4 (Lot 15470), CONTACT (Lot 14762), COMET (Lot 14761), DEN NO. 1 FR. (Lot 15041), TUNGSTEN KING NO. 1 FR. (Lot 14766), STAN FR. (Lot 14764), BIG DICK (Lot 14882), ROYAL CANADIAN (Lot 12115), LAST CHANCE (Lot 12116), VICTOR FR. (Lot 14888), MARK TAPLEY (Lot 12117), PICKWICK (Lot 12087), WO 1 to 3, WO 5, WO 7, WOW, VICTORY (Lot 15842), VICTORY FR. (Lot 15843), UDIVILLE NO. 1 (Lot 15853), LAST CHANCE (Lot 15844), LUCKY JIM FR. (Lot 15845), LUCKY JIM (Lot 15846), ED NO. 1 FR. (Lot 15847), ED NO. 2 (Lot 15848), RMM NO. 4 (Lot 15849), ED NO. 2 FR. (Lot 15850), UDIVILLE (Lot 15851), UDIVILLE NO. 2 (Lot 15852), RMM NO. 2 (Lot 15854), RMM NO. 3 (Lot 15855), BIG DULUTH (Lot 5626), ALICE (Lot 5627), HATTIE B (Lot 5628), AMCO 1 (Lot 15395), AMCO 2 FR. (Lot 15396), AMCO 3 FR. (Lot 15397), AMCO 4 (Lot 15398), AMCO 5 (Lot 15399), AMCO 6 (Lot 15400), AMCO NO. 8 (Lot 15402), AMCO NO. 10 (Lot 15404), AMCO NO. 13 (Lot 15640), AMCO NO. 18 FR. (Lot 15644), AMCO 42 FR. (Lot 15655), AMCO NO. 23 FR. (Lot 15646), GOLD CROWN (Lot 10014), GOLD CROWN FR. (Lot 10047).

OWNERS: J. W. MacLeod and Mentor Exploration and Development Ltd.

OPERATOR: MENTOR EXPLORATION AND DEVELOPMENT LTD., 300, 365 Bay Street, Toronto, Ontario M5H 2V1.

METALS: Zinc, lead, silver, tungsten.

DESCRIPTION: Argillite, limestone, dolomite, phyllite, and quartzite of the Active, Laib, Reno, and Quartzite Ridge Formations are folded and intruded by granite. Lead, zinc, and tungsten mineralization occurs in skarn zones.

WORK DONE: Diamond drilling, 3 BQ holes, totalling 842 metres, on Contact.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1942, p. 81; 1943, p. 80; 1946, p. 147; 1950, p. 128, 1952, p. 150; 1953, p. 119; 1958, p. 64; 1960, p. 70; 1967, p. 246; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 41, pp. 150-154;

Exploration in B.C., 1977, p. E 41; 1978, p. E 49; Assessment Reports 14, 23, 63, 82, 83, 6421, 6975, 8130, 9063; Mineral Inventory 82F/SW-33, 34, 58, 59, 246.

YELLOWSTONE, MIDNIGHT **(Fig. E-1, NTS 82, No. 78)**

LOCATION: Lat. 49° 07' Long. 117° 06' (82F/3E)
NELSON M.D. Thirteen kilometres east-southeast of Salmo at the junction of Sheep Creek and Waldie Creek and extending east to Muskrat Creek.

CLAIMS: YELLOWSTONE (Lot 3651), DIXIE (Lot 14231), MALWAAZ (Lot 3642), RIO TINTO FR. (Lot 4641), MIDNIGHT (Lot 13476), PASADENA (Lot 9185), YELLOWSTONE (20 units).

OWNER: COCHRANE OIL & GAS LTD., 2340 First Avenue NW, Calgary, Alberta T2N 0B8.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: Gold production from the Sheep Creek camp has come from quartz veins cutting the Middle and Upper Nugget members, the Lower and Upper Nevada members of the Quartzite Range Formation, and the Lower Reno Formation. The productive horizons are quartzite, argillaceous quartzite, or brittle metamorphosed argillaceous rocks cut by veining associated with the Nelson batholith. The veins contain quartz and calcite with minor scheelite, wolframite, sericite, and ankerite. Pyrite, sphalerite, galena, chalcopyrite, and arsenopyrite are the main sulphide minerals.

WORK DONE: Prospecting and road building, 1 kilometre, on Yellowstone (Lot 3651); topographical survey, covering Yellowstone (Lot 3651), Dixie, and Malwaaz; prospecting; road building, 2 kilometres; and underground development, on Yellowstone (20 units).

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1899, pp. 692, 847; 1900, pp. 843, 847; 1904, pp. 130, 131, 144; 1905, p. 169; 1907, p. 103; 1909, p. 122; 1910, p. 108; 1915, pp. 156, 158; 1922, p. 205; 1932, p. 193; 1934, p. E19; Mineral Inventory 82F/SW-50, 52.

BLACK ROCK, EMERALD **(Fig. E-1, NTS 82, No. 86)**

LOCATION: Lat. 49° 07' Long. 117° 14' (82F/3E)
NELSON M.D. Ten kilometres southeast of Salmo, between Sheep and Lost Creeks, on the western slope of Iron Mountain.

CLAIMS: BLACK ROCK 1 to 21 (Lots 14405 to 14415 and 15455 to 15464), GOLD STANDARD (Lot 9071), STANDARD FR. (Lot 9072), EMERALD FR. (Lot 9074), COPPERFIELD FR. (Lot 14904), HILLSIDE (Lot 14881), CALCITE (Lot 14763).

OWNER: J. W. MacLeod.

OPERATOR: MENTOR EXPLORATION AND DEVELOPMENT LTD., 300, 365 Bay Street, Toronto, Ontario M5H 2V1.

METALS: Tungsten, zinc, lead.

DESCRIPTION: The geological setting is a trough of argillite-limestone truncated by granite intrusive. Scattered lenses of disseminated sphalerite are found in dolomite.

WORK DONE: Diamond drilling, 5 BQ holes, totalling 2 082 metres, on Hillside and Calcite.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1953, p. 117; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 442; Exploration in B.C., 1979, p. 57; Bull. 41, pp. 106, 119, *Geol. Surv., Canada*, Mem. 172, p. 54; Assessment Reports 7215, 8132; Mineral Inventory 82F/SW-6, 7, 10, 247.

KOOTENAY BELLE, VANCOUVER (Fig. E-1, NTS 82, No. 84)

LOCATION: Lat. 49° 08.5′ Long. 117° 07.5′ (82F/3E)
NELSON M.D. Thirteen kilometres east-southeast of Salmo, at the junction of Sheep and Waldie Creeks, on the northwest and west-facing slopes of Yellowstone Peak.

CLAIMS: ARGYLE (Lot 10155), WOLF (Lot 3856), YOSEMITE (Lot 3654), SULTANA (Lot 9186), HIDE AWAY (Lot 5625), VANCOUVER (Lot 10006), RIO TINTO (Lot 4640), YOSEMITE FR. (Lot 10254), BATT FR. (Lot 9187), HELENA (Lot 9344).

OWNER: G. Bennett.

OPERATOR: L. B. GOLDSMITH, Box 29, Silverton.

METALS: Gold, silver, zinc, lead.

DESCRIPTION: Two gold-bearing fissures cut rocks of the Early Cambrian age Quartzite-Range Formation. The property has produced gold in oxidized quartz fissure fillings. Less oxidized material contains galena and sphalerite.

WORK DONE: Geochemical survey, 190 soil samples analysed for copper, lead, zinc, and gold; 4 rock samples analysed for gold, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 245; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 31, pp. 54, 57-59, 62, 63; *Geol. Surv., Canada*, Mem. 308, p. 175; Assessment Reports 6421, 8694; Mineral Inventory 82F/SW-46, 49.

GOLD BELT, COLUMBIA, NEVADA (Fig. E-1, NTS 82, No. 77)

LOCATION: Lat. 49° 09′ Long. 117° 08′ (82F/3E)
NELSON M.D. Eleven kilometres southeast of Salmo at the junction of Sheep Creek and Waldie Creek.

CLAIMS: NUGGET (Lot 8341), COYOTE (Lot 8343), BLUESTONE (Lot 9054), BLACKSTONE (Lot 9055), SNOWDRIFT (Lot 9927), GOLDEN FAWN (Lot 12493), CURLEW (Lot 12681), DANDY (Lot 12682), MANHATTEN FR. (Lot 13038), RHOMBERG FR. (Lot 13494), LARKHALL (Lot 14455), CASSIAR FR. (Lot 14456), JOINT (Lot 8344), DOUBLE JOINT (Lot 8345), DOMINION (Lot 8815), GOLDEN WEST (Lot 8816), NEVADA (Lot 8869), COLUMBIA (Lot 8870), CLYDE (Lot 8873), BELT (Lot 9334), SUNBEAM FR. (Lot 9342), BLUE BIRD (Lot 10032), CATHIE FR. (Lot 10156), BELLE WATSON FR. (Lot 10157), LEACH FR. (Lot 10158), LILLY D (Lot 10164), SHAMROCK (Lot 10405), BRUCE FR. (Lot 10602), LILLIAN FR. (Lot 14871), NO. 10 FR. (Lot 14872), GB FR. (Lot 14873), LULU FR. (Lot 9052), PEGGY (Lot 9355), TWILIGHT FR. (Lot 9910), HAPPY JEAN (Lot 9911), BEATRICE FR. (Lot 11741), FRACTION NO. 1 FR. (Lot 14874), FRACTION NO. 2 FR. (Lot 14875), NEVADA FR. (Lot 14917).

OWNER: GOLDBELT MINES INC., 318 Homer Street, Vancouver V6B 2V3.

METALS: Gold, silver, lead, zinc, copper.

DESCRIPTION: The claims are underlain by Early Cambrian age Reno Formation quartzite. Vein fractures are filled with quartz and crushed country rock and the ore consists of pyrite, galena, and sphalerite sparingly distributed through the quartz with free gold visible in numerous specimens.

WORK DONE: Raising, 9.14 metres on 4800 level, 40.2 metres on 4600 level, and 152.4 metres on 3500 level; underground development, on Lilly D, Clyde, Sunbeam, and Golden West.

(82F/3E)

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 245; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 31, pp. 68, 69; Mineral Inventory 82F/SW-44, 45, 272.

DOUBLE B (SITTING BULL) (Fig. E-1, NTS 82, No. 80)

LOCATION: Lat. 49° 09′ Long. 117° 10′ (82F/3E)
NELSON M.D. Eight kilometres east-southeast of Salmo, on Hedgehog Creek, immediately north of Sheep Creek.

CLAIMS: DOUBLE B, DOUBLE B 2, 3, 4, 5, 6, DOUBLE B FR., SITTING BULL (Lot 2690).

OWNERS: F. W. CARTWRIGHT, Jr. and F. W. CARTWRIGHT, Box 754, Nelson.

METALS: Lead, zinc, silver, tungsten.

DESCRIPTION: Replacement deposits of zinc, lead, and silver minerals occur in dolomite. Scheelite occurs in skarn and zones of alteration along granite and dolomite contacts.

WORK DONE: Rock cut, on Double B 3; stripping, 5 square metres, on Double B Fr., stripping, 6 square metres; trenching, 25 square metres, and rock cut, on Sitting Bull.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 33, E 34; 1977, p. E 42; 1978, pp. E 49, E 50; 1979, p. 57; Mineral Inventory 82F/SW-263.

ASPEN (Fig. E-1, NTS 82, No. 395)

LOCATION: Lat. 49° 12′ Long. 117° 12′ (82F/3E)
NELSON M.D. Approximately 6.8 kilometres south-southeast of the junction of Salmo River and Hidden Creek.

CLAIMS: THE ROCK (18 units), THE CRUNCH (18 units), ASPEN (Lot 12471), SALMO MALARCTIC 1 (Lot 14461), SALMO MALARCTIC 3 (Lot 14460), SALMO MALARCTIC 4 (Lot 14464), EMMA (Lot 12470), CAROLINE (Lot 12468), SILVERTON FR. (Lot 12469), MOHAWK (Lot 12472), INTERNATIONAL (Lot 12473).

OWNER: EXTOTAL RESOURCES INC., 400, 905 West Pender Street, Vancouver V6C 1L6.

METALS: Silver, lead, zinc, gold.

DESCRIPTION: The claims are underlain by Lower Laib limestone intruded by biotite granite. The mineralized zone is in a siliceous dolomite slump breccia.

WORK DONE: Diamond drilling, 55 EQ holes, totalling 1 545.4 metres, on Aspen.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1937, p. 53; 1951, p. 139; 1959, p. 62; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 29, p. 18; Bull. 41, p. 89; Assessment Report 9053; Mineral Inventory 82F/SW-1.

BIG HORN (Fig. E-1, NTS 82, No. 83)

LOCATION: Lat. 49° 13′ Long. 117° 07′ (82F/3E)
NELSON M.D. Twelve kilometres east-northeast of Salmo, on north side of Hidden Creek, 1 kilometre west of Silver Lake.

CLAIM: SKARN (4 units).

OWNER: COCHRANE OIL & GAS LTD., 2340 First Avenue NW, Calgary, Alberta T2N 0B8.

METALS: Gold, zinc.

DESCRIPTION: Quartzites, siltstones, sandstone, phyllite, and thinly bedded limestone with dolomitic patches (Cambrian ?) are cut by granitic sills, dykes, and irregular bodies. The general trend is east-west. Pyrite, pyrrhotite, chalcopyrite, and sphalerite with gold and silver values occur disseminated and inactive in highly silicified skarn zones.

WORK DONE: Geological mapping, 1:924; geochemical survey, 89 soil samples analysed for copper, zinc, and silver and 6 rock samples analysed for gold, silver, copper, lead, zinc, tin, and tungsten, covering entire property.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1899, p. 598; 1900, p. 846; 1902, p. 40, 1928, p. 343; 1929, p. 350; Assessment Report 8652; Mineral Inventory 82F/SW-265.

KEITH (Fig. E-1, NTS 82, No. 79)

LOCATION: Lat. 49° 14' Long. 117° 05' (82F/3E)
NELSON M.D. Fifteen kilometres east-northeast of Salmo, on the north slope of Hewlett Peak.

CLAIM: KEITH (15 units).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by argillites and limestones of the Ordovician Active Formation. Undifferentiated granite, granodiorite, and quartz diorite are observed along the western boundary of the claim group.

WORK DONE: Geochemical survey, 200 soil samples analysed for copper, molybdenum, lead, and zinc, on Keith.

HOWARD (Fig. E-1, NTS 82, No. 396)

LOCATION: Lat. 49° 15' Long. 117° 07' (82F/3E, 6E)
NELSON M.D. Approximately 9.2 kilometres east of Boulder Mill with Hidden Creek lying 4 kilometres south of claims.

CLAIMS: TAMMIE (18 units), CHARLENE (18 units).

OWNERS: John Stoochnow and C. Fedora.

OPERATOR: SILVER BAR RESOURCES INC., Box 310, Nelson.

METALS: Lead, gold, zinc, silver, cadmium.

DESCRIPTION: The property is underlain by sedimentary rocks of the Ordovician Active Formation intruded by porphyritic Nelson granodiorite (Cretaceous). Old workings of the Howard mine expose in part on three levels veins in quartzite and to a minor extent in porphyritic granodiorite, designated as Queen A vein.

WORK DONE: Geological mapping, 1:480; geochemical survey, 35 samples analysed for gold, silver, lead, and zinc, on Charlene.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 50; Assessment Report 9521; Mineral Inventory 82F/SW-199.

BLUESTAR (Fig. E-1, NTS 82, No. 89)

LOCATION: Lat. 49° 03' Long. 117° 25.5' (82F/3W)
NELSON M.D. Five kilometres northwest of Remac, extending north from Pend-d'Oreille, 0.5 kilometre west of Tillicum Creek.

CLAIMS: ZAP 1 and 2.

OWNERS: R. J. Bourdon, A. Nijhuis, and C. Pittman.

(82F/3W)

OPERATOR: R. J. BOURDON, 612 Mill Street, Nelson V1L 4S4.
METALS: Gold, silver, lead, zinc, copper.
DESCRIPTION: Prospect is located near the contact of the Rossland and Laib Formations and consists of a silicified shear zone cutting grey to green siliceous argillite. Mineralization consists of disseminated pyrite with occasional galena, sphalerite, and chalcopyrite.
WORK DONE: Ground electromagnetic survey, 2.5 kilometres; assay sampling; mapping workings, covering both claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 69; Assessment Reports 5028, 8729; Mineral Inventory 82F/SW-236.

LOST CABIN (Fig. E-1, NTS 82, No. 374)

LOCATION: Lat. 49° 08′ Long. 117° 18′ (82F/3W)
NELSON M.D. Approximately 4.5 kilometres south of Salmo, on the south tributary of Hellroaring Creek.
CLAIMS: MGM 1 (Lot 1221), MGM 2 (Lot 1222), MGM 3 (Lot 1224), MGM 4 (Lot 1223), JDF (Lot 1202), JDF 2 (Lot 1203), JDF 3 (Lot 1204), JDF 4 (Lot 1205).
OWNERS: Floyd Flemming and Joel Ackert.
OPERATOR: FLOYD FLEMMING, Box 83, Glendale Avenue, Salmo V0G 1Z0.
METALS: Silver, gold, copper.
WORK DONE: Road building, 2 kilometres; geochemical survey, 16 samples analysed for gold and silver, on JDF 1 and 2.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1922, p. 208; Mineral Inventory 82F/SW-283.

JIM (Fig. E-1, NTS 82, No. 87)

LOCATION: Lat. 49° 08.5′ Long. 117° 20′ (82F/3W)
NELSON M.D. Six kilometres south-southwest of Salmo, covering the headwaters of the northern fork of Hellroaring Creek.
CLAIM: JIM (20 units).
OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.
METAL: (Copper).
DESCRIPTION: Volcanic rocks of the Rossland Formation (Lower to Middle Jurassic) are intruded by a small Nelson plug (Lower Cretaceous). A felsic-tuff horizon, 2 metres thick, dipping southeasterly, contains up to 10 per cent pyrite and traces of chalcopyrite and malachite.
WORK DONE: Geochemical survey, 390 soil samples analysed for molybdenum, copper, lead, and zinc, on Jim.
REFERENCE: Assessment Report 8258.

SILVERHORN (Fig. E-1, NTS 82, No. 398)

LOCATION: Lat. 49° 12′ Long. 117° 21′ (82F/3W)
NELSON M.D. Two kilometres east of Salmo south of Hooch Creek, the claims straddle Erie Creek at the junction of Erie Creek and Beaver Creek.
CLAIMS: SILVERHORN, SILVERHORN 2 to 6, WENDY, MAY, JULY, AUGUST, SEL, MAT, DAN, DAN 2 to 3 (totalling 98 units).

(82F/3W)

OWNER: SALMET RESOURCES CORP., 2000, 650 West Georgia Street, Box 11563, Vancouver.

DESCRIPTION: Area covers the contact between crystalline intrusive rocks of an outlier of Lower Cretaceous Nelson batholith and andesitic tuffs and flows of the Lower Jurassic Rossland Formation.

WORK DONE: Ground electromagnetic survey and ground magnetometer survey, 11 kilometres; geochemical surveys, 219 soil samples analysed for molybdenum, copper, lead, zinc, silver, and tungsten; 80 rock samples analysed for silver, copper, lead, zinc, molybdenum, gold, and tungsten; 4 rock samples assayed for silver, gold, copper, lead, zinc, molybdenum, and tungsten, covering Silverhorn and Silverhorn 2-5.

REFERENCE: Assessment Report 8986.

RELY (Fig. E-1, NTS 82, No. 88)

LOCATION: Lat. 49° 12.3′ Long. 117° 27′ (82F/3W)
NELSON M.D. Thirteen kilometres west of Salmo, approximately 2 kilometres north of Beaver Creek and 500 metres east of Beavervale Creek.

CLAIM: RELY 1 (1 unit).

OWNER: ROSALYNE PASZTY, 2544 – 10th Avenue South, Castlegar.

METAL: (Copper).

DESCRIPTION: Sinemurian (Lower Jurassic) beds of argillaceous quartzite, slate, argillite, minor flows, and pyroclastics. Main adit shows grey, crystalline limestone with calcite, pyrite, and chalcopyrite.

WORK DONE: Prospecting; ground magnetometer survey, 2.6 kilometres, on Rely 1.

REFERENCE: Assessment Report 8469.

RELIANCE (Fig. E-1, NTS 82, No. 397)

LOCATION: Lat. 49° 12.5′ Long. 117° 28′ (82F/3W)
NELSON M.D. Approximately 13 kilometres west of Salmo, approximately 2.8 kilometres directly north of Ross.

CLAIMS: NOT (6 units), WILL 1 to 6 (6 units).

OWNERS: W. A. HALL, E. R. ROCKEL, D. S. EVANS, 305, 603 Seventh Avenue SW, Calgary, Alberta T2P 2T5.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by Sinemurian beds, argillaceous rocks with minor intercalated volcanics, and Rossland Formation volcanic flows.

WORK DONE: Ground magnetometer survey and ground electromagnetic survey, 2.65 kilometres; geochemical surveys, 13 soil samples analysed for copper, molybdenum, silver, and zinc and 6 rock samples analysed for copper, molybdenum, zinc, silver, and gold, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1941, p. 68; Assessment Report 9157; Mineral Inventory 82F/SW-206.

CASINO, RED CAP (Fig. E-1, NTS 82, No. 90)

LOCATION: Lat 49° 05′ Long. 117° 40′ (82F/4E)
NELSON M.D. Three kilometres southeast of Trail at the beginning of McAlister Creek.

CLAIM: CASINO (12 units).

OWNERS: R. J. Bourdon, A. Nijhuis, C. Pittman.

(82F/4W)

OPERATOR: R. J. BOURDON, 612 Mill Street, Nelson V1L 4S4.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The mineralized zone consists of a number of irregular quartz veins which pinch and swell over a width of up to 1.524 metres. The veins, which appear in many places as isolated blebs, occur along the contact of a monzonite intrusion on the northwest and siliceous sediments on the southeast. Mineralized quartz is for the most part confined to the sediments adjacent to the contact. However, some quartz was noted in fractures in the intrusive. Numerous north-south-striking rhyolite dykes can be seen on the surface and underground. These may have had some control on the formation of the ore.

WORK DONE: Ground electromagnetic survey; prospecting and assay sampling; underground development, on Casino.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 178 (W.D.); *Geol. Surv., Canada*, Mem. 308, pp. 155, 175, Mineral Inventory 82F/SW-158.

VELVET, PORTLAND (Fig. E-1, NTS 82, No. 91)

LOCATION: Lat. 49° 01′ Long. 117° 55′ (82F/4W)
TRAIL CREEK M.D. On Mount Sophia, on Old Cascade Highway, 20.3 kilometres southwest of Rossland.

CLAIMS: COPPER WONDER (Lot 3493), PORTLAND (Lot 2523), TOOTSIE (Lot 3325), PRINCESS (Lot 4669), LAST CHANCE (Lot 3027), VELVET FR. (Lot 5205), VELVET (Lot 2521), WHOOP UP (Lot 3324), BLUEBELL (Lot 5206).

OWNER: United Cardigan Development Co. Ltd.

OPERATOR: VELVET EXPLORATION CO. LTD., 401, 543 Granville Street, Vancouver V6C 1X8.

METALS: Gold, silver, copper.

WORK DONE: Rehabilitation of old adits, on Velvet and Velvet Fr.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 199, *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 52; Mineral Inventory 82F/SW-162.

LILY MAY, ZILOR (Fig. E-1, NTS 82, No. 97)

LOCATION: Lat. 49° 03′ Long. 117° 48.5′ (82F/4W)
TRAIL CREEK M.D. Approximately 5.5 kilometres southwest of the township of Warfield.

CLAIMS: ZILOR (Lot 1051), LILY MAY (Lot 1052), RICHMOND (Lot 1508), BLACK HORSE (Lot 1509).

OWNER: GLADYS SPINKS, Box 762, Salmo.

METALS: Silver, lead, zinc, gold.

DESCRIPTION: Slate, argillite, and silicified siltstone of the Mount Roberts Formation and augite porphyry, tuff, chert, quartzite, and conglomerate of the Rossland Formation are intruded by diorite porphyry, granitic porphyry, and lamprophyre dykes of the Nelson plutonic rocks. Steeply dipping east-west shears are mineralized with sulphides, while northeasterly cross faults are occupied by dykes. The effect is an *en echelon* arrangement of the orebodies.

WORK DONE: Sampling, 8 samples taken, on Zilor.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1935, pp. A 28, E 21; 1949, pp. 155, 158; Assessment Report 9054; Mineral Inventory 82F/SW-153.

HATTIE **(Fig. E-1, NTS 82, No. 98)**

LOCATION: Lat. 49° 03′ Long. 117° 49′ (82F/4W)
TRAIL CREEK M.D. Approximately 2 kilometres south of Rossland, approximately 10.2 kilometres east from the mouth of Swedberg Creek and Sheep Creek.

CLAIM: HATTIE (Lot 1054).

OWNER: GUY ALLEN, Box 7248, Postal Station E, Calgary, Alberta.

METALS: Gold, copper, silver.

DESCRIPTION: The claim is underlain by fine-grained monzonite cut by numerous basic dykes. A series of small east-west stacking veins has been exposed, dipping 75 degrees.

WORK DONE: Prospecting.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 158; Assessment Report 8872; Mineral Inventory 82F/SW-142.

TAP **(Fig. E-1, NTS 82, No. 96)**

LOCATION: Lat. 49° 03′ Long. 117° 50′ (82F/4W)
TRAIL CREEK M.D. Rossland, with Little Sheep Creek flowing through the most western part of the property.

CLAIM: TAP (18 units).

OWNER: ROTHCHILD GOLD CORP., 103, 316 Cedar Street, New Westminster.

DESCRIPTION: The property is underlain by Lower and Middle Jurassic Rossland Group andesite, latite, and basalt flows intercalated with siltstone, argillite, and shale intruded by minor dykes and sills of the Lower Tertiary Coryell intrusions. Quartz veins strike north-northwest and east-northeast.

WORK DONE: Geochemical survey, 568 soil samples analysed for gold, on Tap.

REFERENCE: Assessment Report 8776.

MAR **(Fig. E-1, NTS 82, No. 92)**

LOCATION: Lat. 49° 03′ Long. 117° 54′ (82F/4W)
TRAIL CREEK M.D. Seven kilometres southwest of Rossland at the head of Sophia Creek, a tributary of Little Sheep Creek.

CLAIMS: ROSS 2, CAL (15 units), ROSS (10 units), LAND 1 to 6, SKIN 1 to 4, MAR 1 (20 units), MAR 2 to 4.

OWNERS: Lee Morrison and Alan White.

OPERATOR: UNITED CANSO OIL & GAS LTD., Box 2544, MPO, Calgary, Alberta T2P 2M7.

DESCRIPTION: Agglomerate, tuff, and andesite of the Rossland Formation are in contact with serpentinized ultramafic rocks and are intruded by light-grey, fine-grained Coryell (?) diorite. The rocks are pyritic. A shear zone contains carbonates, pyritic quartz, manganese, and oxides of iron with sparse gold and silver values.

WORK DONE: Geological mapping, 1:10 000, covering Cal, Skin 3, Mar 1; geochemical survey, 52 soil samples analysed for copper, lead, and zinc, on Ross 2; diamond drilling, 3 BQ holes, totalling 255 metres, on Cal; 1 BQ hole, totalling 92 metres, on Skin 3; 2 BQ holes, totalling 170 metres, on Mar 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 52, E 53; 1979, p. 59; Assessment Reports 7162, 8156, 8936.

GEORGIA, IRON COLT (Fig. E-1, NTS 82, No. 94)

LOCATION: Lat. 49° 05.5′ Long. 117° 48′ (82F/4W)
TRAIL CREEK M.D. Immediately north of Rossland, on the east flank of Monte Cristo Mountain.

CLAIMS: GEORGIA (Lot 165), CALEDONIA (Lot 364), PUTNAM (Lot 4917), VIKING (Lot 314), BUCKEYE (Lot 365), ELANORE (Lot 369), IRON COLT (Lot 367), POTT (Lot 363), BOOMER FR. (Lot 961), SILVERINE (Lot 632), LA BELLE (Lot 729), EVENING STAR (Lot 801), GEORGIA FR. (Lot 4668).

OWNERS: M. Delich and M. Butorac.

OPERATOR: COMINCO LTD., Seventh Floor, 409 Granville Street, Vancouver V6C 1T2.

METALS: Gold, silver, copper.

DESCRIPTION: The claims are underlain by siliceous siltstone and argillite of the Rossland Group (Jurassic) cut by northerly trending lamprophyre and granitic dykes (Tertiary).

WORK DONE: 1979 – geochemical survey, 269 soil samples and 87 rock samples analysed for gold and mercury, covering all claims; 1980 – percussion drilling, 28 holes, totalling 1 540 metres, on Georgia, Evening Star, Boomer Fr., Caledonia, and Silverine, road building, 3 kilometres, on Silverine, Evening Star, and Georgia.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1933, p. 200; 1934, p. A 27; 1935, p. A 28, E 31; 1936, p. E 49; 1937, p. E 48; 1938; p. E 41; 1939, p. 40; Assessment Reports 7868, 8971; Mineral Inventory 82F/SW-100, 149.

LINDA (Fig. E-1, NTS 82, No. 95)

LOCATION: Lat. 49° 08′ Long. 117° 57′ (82F/4W)
TRAIL CREEK M.D. Eleven kilometres northwest of Rossland, on the west slope of Old Glory Mountain.

CLAIMS: GLORY 1 (8 units), GLORY 2 (16 units), LINDA (20 units), GAIL (6 units).

OWNER: F. L. Hastings.

OPERATOR: LACONA MINING CORP., 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by numerous phases of a Coryell intrusive stock intruding altered Rossland rocks; the contact zone is poorly defined.

WORK DONE: 1979 – ground scintillometer survey; geochemical survey, 217 soil and 17 rock samples analysed for uranium, covering Gail and Linda.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 53, E 54; 1979, p. 60; Assessment Reports 6715, 7288, 7977.

ALVA (Fig. E-1, NTS 82, No. 93)

LOCATION: Lat. 49° 10.5′ Long. 117° 51′ (82F/4W)
TRAIL CREEK M.D. Approximately 11 kilometres north-northeast of Rossland at the northwestern tip of Nancy Greene recreation area, straddling Highway 3, 1 kilometre north of southern fork of Murphy Creek.

CLAIMS: ALVA 1 to 8.

OWNER: RAY HUTCH, Box 460, Brooks, Alberta.

METAL: (Tungsten).

DESCRIPTION: Drilling intersected coarse-grained diorite, argillite, augite porphyry, and coarse-grained, silicified, porphyritic granodiorite. The rocks are fractured and contain chlorite and calcite. The diorite is serpentinized and contain minor scheelite.

WORK DONE: 1979 – diamond drilling, 1 BQ hole, totalling 61.3 metres, on Alva 2.

REFERENCE: Assessment Report 8228.

LOTO (Fig. E-1, NTS 82, No. 99)

LOCATION: Lat. 49° 16′ Long. 117° 55′ (82F/5W)
TRAIL CREEK M.D. Twenty-five kilometres northwest of Trail, on the upper reaches of Blueberry Creek, due south of Gem Hill.

CLAIM: LOTO 3 (20 units).

OWNER: R. PASZTY, 2644 – 10th Avenue, Castlegar.

METAL: (Tungsten).

DESCRIPTION: A 10.6-metre quartz vein contains minor scheelite, hematite, and malachite. Other rocks noted were Coryell intrusives and two lamprophyre dykes.

WORK DONE: 1979 and 1980 – prospecting.

REFERENCE: Assessment Report 8187.

BOBBI (Fig. E-1, NTS 82, No. 113)

LOCATION: Lat. 49° 18′ Long. 117° 15′ (82F/6)
NELSON M.D. Two kilometres northwest of Ymir and immediately west of Highway 6.

CLAIMS: KIM 1 to 6, KIM Fraction, BOBBI, BOBBI 2 Fraction, BOBBI 3 to 5, MARY, BETTY 2 to 4, MURIEL 1 to 4 (totalling 33 units), ELEANOR 1 to 8.

OWNERS: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2 and ASAMERA OIL CORP., 1500, 335 Eighth Avenue SW, Calgary, Alberta T2P 1C9.

METALS: Molybdenum, tungsten, uranium, copper, lead, zinc.

DESCRIPTION: The claims are underlain by marine volcanic and sedimentary rocks of the Rossland and Hall Formations (Triassic) intruded by plugs of the Nelson plutonic rocks (Cretaceous). Stockwork molybdenite occurs in a porphyritic quartz monzonite plug. Other mineralization noted is pyrite and minor chalcopyrite, galena, sphalerite, tungsten, and uranium.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 691 soil, 40 silt, and 45 rock samples analysed for copper, lead, zinc, molybdenum, and tungsten, covering all claims; induced polarization survey, 9 kilometres; and diamond drilling, 4 BQ holes, totalling 457.4 metres, on Kim, Bobbi, and Mary.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 63; Assessment Reports 6654, 7656, 8017, 8448; Mineral Inventory 82F/SW-250.

DRUM LUMMON (Fig. E-1, NTS 82, No. 122)

LOCATION: Lat. 49° 16′ Long. 117° 23′ (82F/6W, 3W)
NELSON M.D. Eleven kilometres northwest of Salmo on Erie Creek, covering the junction of Grassy and Craigtown Creeks.

CLAIMS: JUNE 1 to 7 (80 units) and ROSA (Lot 246), BELLE (Lot 2461), FLORENCE (Lot 3237), BULLY BOY (Lot 3238), ROCKFORD (Lot 3435), MAUD S (Lot 3662), BEN HASSEN (Lot 3663), ST. LOUIS (Lot 12176), ARNOLD (Lot 4079), WESTMINSTER FR. (Lot 12184), EDDIE (Lot 12186), LOUISE (Lot 12187), MONTE CARLO (Lot 1066), HOME-

STAKE (Lot 3433), DORA (Lot 5152), COPPER KING (Lot 5153), GOOD ENOUGH (Lot 5466), DRUM LUMMON (Lot 5481), GORDON (Lot 12175), NELSON (Lot 12177), ONTARIO (Lot 3659).

OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, tungsten, copper.

DESCRIPTION: Molybdenite, scheelite, chalcopyrite, pyrite, and pyrrhotite occur as thin films in fractures in veins within felsic to intermediate porphyry dykes of the Eocene Erie Creek dyke swarm. Molybdenite is mainly present in stockwork-like veins within early subporphyritic biotite-quartz monzonite dykes, whereas chalcopyrite and scheelite are mainly present in later quartz feldspar-biotite porphyry and feldspar porphyry dykes.

WORK DONE: Geological mapping, 1:2000; diamond drilling, 3 NQ-BQ holes, totalling 612 metres, on June 1, Eddie, and Homestake.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 158; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 36; 1979, p. 60; Assessment reports 1603, 6301, 7573, 8570; Mineral Inventory 82F/SW-213, 226.

PORTO RICO (Fig. E-1, NTS 82, No. 115)

LOCATION: Lat. 49° 19′ Long. 117° 20′ (82F/6W)
NELSON M.D. Fourteen kilometres north-northwest of Salmo, at the headwaters of the westerly tributary to Barrett Creek.

CLAIMS: LIZZIE B (Lot 2386), BARBARA (Lot 2387), ALPHA (Lot 2388), SUNSHINE (Lot 2389).

OWNERS: J. M. Mirko and E. S. Peters.

OPERATOR: J. M. MIRKO, 2130 Jones Avenue, North Vancouver.

METALS: Gold, silver.

DESCRIPTION: Sulphide minerals occur in a shear zone cutting augite porphyry andesite.

WORK DONE: Prospecting.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 63; Exploration in B.C., 1979, p. 61; Assessment Report 7702, Mineral Inventory 82F/SW-189.

MURRAY (Fig. E-1, NTS 82, No. 120)

LOCATION: Lat. 49° 22′ Long. 117° 20′ (82F/6W)
NELSON M.D. Approximately 15 kilometres southwest of Nelson; Copper Mountain lies 2.5 kilometres north of the property with Hall Creek cutting through the claim.

CLAIM: MURRAY 1 (20 units).

OPERATOR: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The north half of the claim is underlain by sedimentary and volcanic rocks of the Ymir Group and Rossland Formation respectively. The south half is occupied by medium-grained equigranular Nelson plutonic rocks.

WORK DONE: Geochemical survey, 100 soil samples analysed for molybdenum, lead, zinc, copper, and gold, on Murray .

REFERENCE: Assessment Report 8495.

GOLDEN EAGLE (Fig. E-1, NTS 82, No. 118)

LOCATION: Lat. 49° 24′ Long. 117° 20′ (82F/6W)
NELSON M.D. Nine kilometres southwest of Nelson on Red Mountain.

CLAIMS: ROZAN, BILL 1, BILL 2, GOLDEN EAGLE (Lot 4215).
OWNERS: E. Denny, J. Denny, and F. Cameron.
OPERATORS: E. DENNY, RR No. 1, Nelson V1L 5P4 and F. CAMERON, 1706 Kilkenny Road, North Vancouver V7J 1T9.
METALS: Gold, silver.
DESCRIPTION: Gold-bearing quartz veins are found in granite, between the Hall sedimentary rocks to the east and the Elise volcanic rocks to the west.
WORK DONE: Grid cutting and marking and road work, covering all claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1937, p. E 38; 1938, p. E 37; 1943, p. 80; 1945, p. 99; 1946, p. 141; 1947, p. 180; 1948, p. 131; 1949, p. 164; 1951; pp. 41, 136; 1952, pp. 43, 144; 1953, p. 114; 1954, p. 124; 1957, p. 43; 1958, p. A 45; *Geol. Surv., Canada*, Paper 52-13, p. 32; Mem. 308, p. 165; Mineral Inventory 82F/SW-179.

ROOT (Fig. E-1, NTS 82, No. 121)

LOCATION: Lat. 49° 24.5′ Long. 117° 28.5′ (82F/6W)
NELSON M.D. Fifteen kilometres west-southwest of Nelson at the head of a north-flowing tributary of Rover Creek, 3.5 kilometres east of the Kootenay River.
CLAIMS: ROOT 1 to 4 (4 units).
OWNER: N. Terekoff.
OPERATOR: S. PASZTY, 2644 – 10th Avenue South, Castlegar V1N 3A2.
DESCRIPTION: Rocks exposed in old workings consist of granodiorite in contact with limestone and shale of the Rossland Formation.
WORK DONE: 1979 – ground magnetometer survey, 4.3 kilometres, covering all claims.
REFERENCE: Assessment Report 8023.

HUNGRY MAN (Fig. E-1, NTS 82, No. 119)

LOCATION: Lat. 49° 25′ Long. 117° 29′ (82F/6W)
NELSON M.D. Five kilometres southeast of South Slocan, near the headwaters of Connor Creek.
CLAIMS: HUNGRY MAN (Lot 4083), CONNOR (6 units).
OWNERS: Cominco Ltd., S. Metcalfe, and A. Metcalfe.
OPERATOR: COMINCO LTD., Seventh Floor, 409 Granville Street, Vancouver V6C 1T2.
METALS: Gold, copper.
DESCRIPTION: Drilling intersected diorite and feldspar porphyry intrusive rocks cutting interlayered andesitic metavolcanic and metasedimentary rocks. Significant gold values within the core are associated with chalcopyrite-pyrite-pyrrhotite in quartz veins within unaltered country rocks.
WORK DONE: Linecutting, 3.5 kilometres; ground electromagnetic survey, 4.7 kilometres; ground magnetometer survey, 3.5 kilometres, covering Connor; road building, 400 metres; diamond drilling, 7 BQ holes, totalling 335 metres, on Hungry Man; ground electromagnetic survey, 1.9 kilometres, covering Connor and Hungry Man.
REFERENCES: Mineral Inventory 82F/SW-235; *Minister of Mines, B.C.*, Ann. Rept., 1900, p. 984; 1956, p. 79; Assessment Reports 7901, 8881, 9031.

DAYLIGHT, BERLIN (Fig. E-1, NTS 82, No. 114)

LOCATION: Lat. 49° 26′ Long. 117° 18′ (82F/6W)
NELSON M.D. Five kilometres south of Nelson on the northeast slope of Toad Mountain.

CLAIMS: DAYLIGHT (Lot 907), BERLIN (Lot 3251), JMB (Lot 902), BID (Lot 901), JESSIE (Lot 686), GOLD KING FR. (Lot 14699), VICTORIA (Lot 248), MILLSITE (Lot 14700).

OWNER: SCOTIA RESOURCES LTD., 611, 525 Seymour Street, Vancouver V5B 3H7.

METALS: Gold, silver, copper.

DESCRIPTION: Veins are in chlorite and sericite schists of the Rossland Formation. Sulphides found are chiefly pyrite, some pyrrhotite, less chalcopyrite, and occasional blebs of grey copper. Gold occurs in the form of grains and stringers in a quartz carbonate gangue near and in pyrite.

WORK DONE: Ground electromagnetic survey, 6 200 metres; geochemical survey, 250 soil samples analysed; trenching, 107 metres; underground development, covering all claims.

REFERENCES. *Minister of Mines, B.C.*, Ann. Repts. 1939, pp. 38, 80; 1949, p. 164; *Geol. Surv., Canada*, Mem. 308, p. 173; Mineral Inventory 82F/SW-175.

SCOTT (Fig. E-1, NTS 82, No. 116)

LOCATION: Lat. 49° 26.5′ Long. 117° 17′ (82F/6W)
NELSON M.D. Three kilometres south of Nelson on the east slope of Morning Mountain.

CLAIM: SCOTT 1 (12 units).

OWNER: John R. Woodcock.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver.

WORK DONE: Electromagnetic survey, 1 600 metres; geochemical survey, 80 soil samples analysed for silver and gold, on Scott 1.

IRENE, GREAT EASTERN (Fig. E-1, NTS 82, No. 117)

LOCATION: Lat. 49° 27′ Long. 117° 20′ (82F/6W)
NELSON M.D. Approximately 6 kilometres southwest from Nelson, with Giveout Creek flowing through a large portion of the property.

CLAIMS: BIRDS EYE (Lot 3278), PRINCETON FR. (Lot 3938), HADDO FR. (Lot 4221), STARLIGHT (Lot 684), BLACK WITCH (Lot 4146), GOLD BELL (Lot 4155), NORTH STAR (Lot 4149), INVERNESS (Lot 3935), LADY ABERDEEN (Lot 3936), MINTO FR. (Lot 4219), HORSESHOE (Lot 2235), RED FR. (Lot 12701), TREGARDEN (Lot 13037), GOLD EAGLE, GOLD EAGLE 1 Fraction, GOLD EAGLE 2 to 4, GOLD EAGLE 5 and 6 Fractions, GREAT EASTERN (Lot 4152), IRENE (Lot 4151), GREAT WESTERN (Lot 4148).

OWNER: ASARCO EXPLORATION CO. OF CANADA LTD., 504, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Gold, silver.

DESCRIPTION: Silver King syenite porphyry stock occurs at eastern side of claims. A 1 100-metre-wide zone of Rossland volcano-sedimentary rocks bordering the west contact of the stock is cut by northerly trending shear zones mineralized with quartz-carbonate veinlets and disseminated pyrite, chalcopyrite, galena, and sphalerite.

WORK DONE: Geological mapping, 1:5000; ground magnetometer survey, 25 kilometres; geochemical survey, 818 soil samples analysed for copper, molybdenum, lead, zinc, nickel, gold, and silver, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1945, p. 99; 1954, p. 124; Assessment Report 8614; Mineral Inventory 82F/SW-171, 172.

VENANGO, JOSIE, JACKPOT (Fig. E-1, NTS 82, No. 124)

LOCATION: Lat. 49° 28′ Long. 117° 23′ (82F/6W)
NELSON M.D. Approximately 5.5 kilometres west-southwest of Nelson, on the west side of Eagle Creek.

CLAIMS: VENANGO (Lot 4757), SHENANGO (Lot 4758), C&K (Lot 3927), GREENWOOD FR. (Lot 4787), GREENWOOD (Lot 4788), JACK POT (Lot 4789), FREEMONT (Lot 3928), DNIX (Lot 3926), JOSIE (Lot 3925), VERNAMO (Lot 4790), INVINCIBLE (Lot 3682), MAJESTIC (Lot 402), MIKA CHAHKO (Lot 14441), MOCKEN BIRD (Lot 3982), RON 1, RON 9 to 12, RON 1 to 3 Fractions.

OWNERS: Venango Gold Mines Ltd. and Robert Mills.

OPERATOR: DeKALB MINING CORP., 630 Sixth Avenue SW, Calgary, Alberta T2P 0S8.

METALS: Gold, silver, lead, tungsten.

DESCRIPTION: The property contains many small quartz-bearing veins mineralized with gold, minor silver, lead, and scheelite.

WORK DONE: Diamond drilling, 2 932 metres, on Greenwood and Venango.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 36; Mineral Inventory 82F/SW-87, 254.

BELLE (Fig. E-1, NTS 82, No. 125)

LOCATION: Lat. 49° 29.5′ Long. 117° 23′ (82F/6W)
NELSON M.D. East of Taghum, approximately 8 kilometres west of Nelson, intersected by Highway 3A.

CLAIMS: BELLE (Lot 2353), MARBLE EDGE (Lot 2354), RAPID LOT (Lot 5302).

OWNER: R. W. Pearson.

OPERATOR: PEARSON GALLAGHER LTD., 280 Baker Street, Nelson.

DESCRIPTION: The claims are underlain mainly by Nelson plutonic rocks, non-porphyritic granite to granodiorite. There is a small remnant of Hall Formation argillite, sandstone, and conglomerate. Molybdenite and pyrite occur in fractures and quartz veins, usually in pegmatite.

WORK DONE: Ground magnetometer survey, 0.9 kilometre, covering Belle, Marble Edge, and Rapid.

REFERENCE: Assessment Report 8806.

MONARCH (Fig. E-1, NTS 82, No. 123)

LOCATION: Lat. 49° 29.5′ Long. 117° 29′ (82F/6W)
NELSON M.D. Approximately 3.4 kilometres north of Bonnington, lying between Hoben (Falls) Creek and Garrity Creek.

CLAIM: MONARCH (Lot 2082).

OWNER: GERHARDI HOLDINGS LTD., 280 Baker Street, Nelson.

METAL: Copper.

(82F/6E)

DESCRIPTION: Skarn mineralized with pyrite and chalcopyrite, galena, and molybdenite.

WORK DONE: Prospecting.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1918, pp. 173, 174, 197; Assessment Report 8661; Mineral Inventory 82F/SW-282.

PORCUPINE, NEVADA, IMPERIAL (Fig. E-1, NTS 82, No. 105)

LOCATION: Lat. 49° 15.5′ Long. 117° 11′ (82F/6E, 3E)
NELSON M.D. Four kilometres southeast of Ymir, straddling Porcupine Creek.

CLAIMS: PORCUPINE (Lot 4634), CHAMPAGNE (Lot 5131), FRANKLIN (Lot 4635), BLUE QUARTZ (Lot 7072), ROVER (Lot 7073), BQ 1 to 4, SCALE 1, RULE 1, NEVADA (Lot 3504), SANDAULPHON (Lot 4639), GEORGINA (Lot 5130), IMPERIAL (Lot 3025), SUNRISE (Lot 4385), EMERALD (Lot 2907), VICTOR (Lot 2906), PORCUPINE (Lot 2908), TWILIGHT (Lot 3767).

OWNERS: 1979 – I. Urquart, D. R. Cochrane, C. F. Graham, P. Willson; 1980 – Nithex Exploration Ltd.

OPERATORS: 1979 – YMIR GOLD MINES LTD., c/o 4882 Delta Street, Delta; 1980 – NITHEX EXPLORATION LTD., 3000, 1055 West Georgia Street, Vancouver.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: Mineralization consists of pyrite, galena, and sphalerite, with silver and gold values lying within Pend d'Oreille schists at, or close to, the contact with small bodies of Nelson plutonic rocks. Traces of copper and tin have been reported and mineralization has previously been classified as lying within silicified and/or shear zones.

WORK DONE: 1979 – geochemical survey, 13 soil samples analysed for lead, zinc, silver, and gold, on Twilight; 1980 – geochemical survey, 10 soil samples analysed for gold, silver, lead, zinc, and mercury; 8 rock samples analysed for gold, silver, lead, and zinc, on Porcupine; 24 soil and 4 rock samples analysed for gold and silver, on Porcupine, Franklin, and Imperial.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1937, p. E 50; 1938; p. E 42; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 36; 1978; p. E 56; 1979, p. 62; Assessment Reports 6140, 6993, 7581, 7882, 8212, 9125; Mineral Inventory 82F/SW-63, 64.

GOLD QUEEN (Fig. E-1, NTS 82, No. 111)

LOCATION: Lat. 49° 16′ Long. 117° 11′ (82F/6E)
NELSON M.D. Approximately 2 kilometres to the east of the Salmo River and Porcupine Creek junction, 0.5 kilometre north of Porcupine Creek.

CLAIM: GOLD QUEEN (Lot 1075).

OWNER: D. J. GALLAGHER, 280 Baker Street, Nelson V1L 4H3.

METALS: (Lead, zinc).

DESCRIPTION: Bedrock in the area consists of Nelson porphyritic granite (Lower Cretaceous) intruding Ymir Group argillite, slate, quartzite, and minor limestone. Samples taken on the property were from granitic rock containing quartz, muscovite, pyrite, sphalerite, and galena.

WORK DONE: Geological mapping, 1:3600, on Gold Queen.

REFERENCES: *Geol. Surv., Canada*, Mem. 94, p. 120; Assessment Report 9531.

MARILYN (Fig. E-1, NTS 82, No. 110)

LOCATION: Lat. 49° 16.5′ Long. 117° 09′ (82F/6E)
NELSON M.D. Approximately 5 kilometres southeast of Ymir, Porcupine Creek lies 1 kilometre south of claim.
CLAIM: MARILYN (12 units).
OWNER: P. A. PENDLEBURY, RR 3, Nelson.
DESCRIPTION: The claims are underlain by quartzites, dolomite, and limestone of the Ymir Group trending about north-south across the property. A fault is noted at a contact between dolomite and white quartzite. Mineralization occurs in an old adit at this fault.
WORK DONE: Prospecting.
REFERENCE: Assessment Report 9094.

SHILOH (Fig. E-1, NTS 82, No. 100)

LOCATION: Lat. 49° 17′ Long. 117° 12′ (82F/6E)
NELSON M.D. Approximately 1.2 kilometres directly east from Ymir, with Oscar Creek flowing through the Royal claim and Shiloh directly north.
CLAIMS: SHILOH (Lot 3847), ROYAL (Lot 4610).
OWNER: R. J. BOURDON, 612 Mill Street, Nelson V1L 4S4.
METALS: Gold, silver.
DESCRIPTION: The deposit consists of a mineralized shear zone in argillaceous schists of the Pend d'Oreille Group striking north 50 degrees east and dipping 50 degrees northwest and consists of crushed wall rock with veinlets of quartz and calcite containing some calcite and zincblende. Quartzites and phyllites near the workings strike north-south and dip steeply east.
WORK DONE: Prospecting; underground mapping, assay samples taken, on Shiloh.
REFERENCES: *Geol. Surv., Canada*, Mem. 94, p. 65; Mem. 191, p. 25; Assessment Report 8924; Mineral Inventory 82F/SW-281.

DAREALL (Fig. E-1, NTS 82, No. 112)

LOCATION: Lat. 49° 17′ Long. 117° 13′ (82F/6E)
NELSON M.D. At Ymir.
CLAIM: DAREALL.
OWNER: P. CLAYTON, Box 80, Ymir.
WORK DONE: Road work, 30 by 10 metres, trenching, 1.5 by 20 by 30 metres; and stripping, 30 by 20 metres, on Dareall.

DUNDEE (Fig. E-1, NTS 82, No. 104)

LOCATION: Lat. 49° 17.5′ Long. 117° 10′ (82F/6E)
NELSON M.D. Three kilometres east-northeast of Ymir, between Oscar and Ymir Creeks.
CLAIMS: FLORENCE (Lot 3977), RIO GRANDE (Lot 14540), ISIS (Lot 13877), COMMODORE (Lot 14118), TWO STAR FR. (Lot 14561), NORTH STAR FR. (Lot 14560), DEADWOOD (Lot 3976), NEW MEXICO (Lot 13848), SKOOKUM (Lot 14677), ST. PATRICK (Lot 13878), SUNRISE (Lot 14116), IDAHO (Lot 14119), SUNDOWN FR. (Lot 14458), SUNDOWN (Lot 14457), NEW BRUNSWICK (Lot 3975), HIDDEN FR. (Lot 14678), CANADIAN GIRL (Lot 7713), HIDDEN NO. 2 FR. (Lot 14679), ATLIN

NO. 2 FR. (Lot 9336), YANKEE GIRL (Lot 7712), LAKE VIEW (Lot 3245), BAMBINO FR. (Lot 13847), KLONDIKE NO. 1 FR. (Lot 13845), EVENING STAR (Lot 3778), MORNING STAR (Lot 3779), MORNING STAR NO. 3 (Lot 14452), YUKON FR. (Lot 5303), KITTEN FR. (Lot 4612), ANNIE FR. (Lot 3849), BLACK DIAMOND (Lot 3413), TWILIGHT FR. (Lot 14454), TWILIGHT (Lot 14453), MORNING STAR NO. 2 (Lot 14451), OLD BILL (Lot 1863), PARKER (Lot 1861), LIGHTHEART (Lot 1862), WHITE PINE (Lot 4004).

OWNER: BURLINGTON GOLD MINES LTD., 1012, 470 Granville Street, Vancouver V6C 1V5.

METALS: Copper, lead, zinc, gold, cadmium.

DESCRIPTION: Property is underlain by the Ymir series of rocks which are intruded by tongue-like apophyses of granite. Vein structures occur in extensive fault zones. Mineralization consists of pyrite, pyrrhotite, sphalerite, and galena.

WORK DONE: Geochemical survey, 405 soil samples analysed for gold, silver, and lead on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 34; 1978, p. E 57; *Geol. Surv., Canada*, Mem. 94, pp. 112-114; Assessment Reports 7196, 9021; Mineral Inventory 82F/SW-67, 68.

TAMARAC (Fig. E-1, NTS 82, No. 103)

LOCATION: Lat. 49° 20′ Long. 117° 12′ (82F/6E)
NELSON M.D. Four kilometres north of Ymir, 1 kilometre east of the junction of Elise Creek and Salmo River.

CLAIMS: TAMARAC (Lot 3802), PHAROAH FR. (Lot 15180), RACATAM (Lot 3803), KING SOLOMON FR. (Lot 12269), RAINBOW FR. (Lot 12267), EVANGELINE (Lot 12271), QUEEN OF SHEBA FR. (Lot 15181), DINNER BUCKET (Lot 3806), OCTOBER FR. (Lot 3805), TAM 1 and 2 (18 units), LEWLU (4 units).

OWNER: GREENWOOD EXPLORATION LTD., 30 East Sixth Avenue, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: The claims are underlain by augite porphyrite of the Rossland volcanic rocks; the vein (Tamarac) occurs in a feldspar porphyry. Late lamprophyre dykes cut the veins. The Tamarac vein consists of a central core of quartz plus a lesser amount of fault gangue carrying pyrite and arsenopyrite which also are in walls.

WORK DONE: Diamond drilling, 18 BQ holes, totalling 1 086 metres, on Tamarac.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1959, pp. A48, 61; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 62; Assessment Report 9113; Mineral Inventory 82F/SW-72.

YMIR BELLE (Fig. E-1, NTS 82, No. 109)

LOCATION: Lat. 49° 20.5′ Long. 117° 06′ (82F/6E)
NELSON M.D. Approximately 10.7 kilometres east-northeast of Ymir, approximately 3 kilometres west of Baldy Mountain.

CLAIMS: YMIR BELLE 1 to 6 (6 units), YMIR BELLE FR. (1 unit).

OWNERS: C. PITTMAN, R. BOURDON, and A. NIJHUIS, 1424 Cedar Street, Nelson.

WORK DONE: Geological mapping, 1:5000; rock sampling, 4 samples taken, covering all claims.

REFERENCE: Assessment Report 9333.

NEW VICTOR, EXCELSIOR (Fig. E-1, NTS 82, No. 107)

LOCATION: Lat. 49° 21′ Long. 117° 07′ (82F/6E)
NELSON M.D. Ten kilometres northeast of Ymir, on the north side of Ymir (Wild Horse) Creek.

CLAIMS: MS (Lot 2916), FOURTH OF JULY (Lot 2917), BYWATER (Lot 2391), ROYAL (Lot 4616), NEW VICTOR (Lot 2083), EXCELSIOR (Lot 2085).

OWNERS: P. R. Willson and D. R. Cochrane.

OPERATOR: YMIR GOLD MINES LTD., c/o 4882 Delta Street, Delta V4K 2T8.

METALS: (Gold, lead, zinc).

DESCRIPTION: Three main quartz veins, the Fourth of July, Willock, and Little Willock, and silicified granitic country rocks contain irregular patches of pyrite, galena, sphalerite, and free gold.

WORK DONE: Geological mapping, 1:5000; geochemical survey, 35 soil samples analyzed for gold and silver, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1909, p. 297; 1938, p. A36; Assessment Report 8408; Mineral Inventory 82F/SW-194, 195.

SAMY (Fig. E-1, NTS 82, No. 102)

LOCATION: Lat. 49° 21′ Long. 117° 14′ (82F/6E)
NELSON M.D. Six kilometres north of Ymir, on the east bank of the Salmo River.

CLAIM: SAMY 1 (20 units).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by Rossland Formation rocks consisting of andesite, latite, basalt, agglomerate, and minor tuff which has been intruded on the eastern half of the property by fine-grained porphyritic syenite to quartz diorite intrusive.

WORK DONE: Geochemical survey, 264 soil samples analysed for molybdenum, copper, lead, zinc, and silver, on Samy 1.

AUD (Fig. E-1, NTS 82, No. 106)

LOCATION: Lat. 49° 22′ Long. 117° 12′ (82F/6E)
NELSON M.D. Eight kilometres north of Ymir, on the north slope of Mount Elise.

CLAIM: AUD (16 units).

OWNER: C. F. Graham.

OPERATOR: YMIR GOLD MINES LTD., c/o 4882 Delta Street, Delta.

DESCRIPTION: Andesite, basalt, volcanic breccia, agglomerate, and minor sedimentary rocks of the Elise Formation (Lower Jurassic) are sheared and altered to greenstone. The schistosity of the rocks dips 70 degrees to 80 degrees westerly.

WORK DONE: Geochemical surveys, 15 soil and 2 rock samples analysed for gold and silver; biogeochemical survey, 15 samples analysed for gold and silver, covering Aud.

REFERENCE: Assessment Report 8183.

JACK, LESLIE (Fig. E-1, NTS 82, No. 101)

LOCATION: Lat. 49° 25.5′ Long. 117° 02′ (82F/6E)
NELSON M.D. Nineteen kilometres southeast of Nelson between the headwaters of Kutetl and Seeman Creeks.

(82F/7)

CLAIMS: JACK (20 units), LESLIE (20 units).
OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION: The property is underlain by Lower Paleozoic quartzites, quartz feldspar schists, shale, and limestone equivalent to clastics of the Hamill series and limestones of the Laib Formation. Porphyritic granite related to the Nelson batholith is exposed on the northeast corner of the Leslie claim group.
WORK DONE: Geochemical survey, 286 soil samples analysed for molybdenum, copper, lead, and zinc, on Leslie.

LOCKHART **(Fig. E-1, NTS 82, No. 132)**

LOCATION: Lat. 49° 30′ Long. 116° 45′ (82F/7, 10)
NELSON M.D. South of Crawford Bay on Kootenay Lake, just south of Lockhart Creek.
CLAIM: LOCKHART 1 (20 units).
OWNER: POWER CAN RESOURCES LTD., 1215 B Bidwell Street, Vancouver V6G 2K7.
DESCRIPTION: The property is underlain by rocks of the Horsethief Creek Formation (Precambrian) and consists of argillaceous quartzites, limestones, arkoses, and pebble conglomerates. These conformably overlie conglomerates of the Toby Formation. Mineralization consists of galena and sphalerite in quartz veins within phyllitic argillites.
WORK DONE: Geological mapping, 1:1000; geochemical survey, 32 soil and 20 rock samples analysed for lead, zinc, copper, and silver, on Lockhart.
REFERENCE: Assessment Report 8889.

WISCONSIN **(Fig. E-1, NTS 82, No. 131)**

LOCATION: Lat. 49° 25′ Long. 116° 58′ (82F/7W)
NELSON M.D. Approximately 10.5 kilometres west of Drewry, with Hughes Creek flowing through Wis 1, 3, and 4.
CLAIMS: WIS 1 to 3 (20 units each), WIS 4 (4 units), LUCKY STRIKE (Lot 2929), WISCONSIN (Lot 2928).
OWNER: ESPERANZA EXPLORATION LTD., 1027, 470 Granville Street, Vancouver.
METALS: Gold, silver, (lead, zinc).
DESCRIPTION: The property is underlain by the Late Proterozoic Windermere, Horsethief Creek, and Hamill Groups intruded by dykes, sills, and plugs of Nelson quartz diorite. Five mineralized structures have been recognized, chiefly within the quartz diorite at or near contacts with the sedimentary rocks: quartz, pyrite, arsenopyrite with minor chalcopyrite, sphalerite, galena, and chalcocite.
WORK DONE: Geological mapping, 1:1000, 1:200; ground electromagnetic survey, 10.95 kilometres; geochemical survey, 679 soil samples analysed for gold, arsenic and silver; and 155 rock samples analysed for gold, silver, lead, zinc, on Wis 1, 2, and 4; Wisconsin, and Lucky Strike.
REFERENCES: *Minister of Mines, B.C.*, 1899, p. 601; 1903, p. H 148; 1928, p. C 326; 1929, p. 356; 1930, p. 278; 1933, p. 240; 1935; p. E 27; 1936; p. E 43; 1937; p. E 22; 1940, p. A 70; 1961, p. 49; 1967, p. A 49; 1963, p. A 49; Assessment Report 8910; Mineral Inventory 82F/SW-36.

PAUL (Fig. E-1, NTS 82, No. 130)

LOCATION: Lat. 49° 17′ Long. 116° 30′ (82F/7E, 8W)
NELSON M.D. Fourteen kilometres north-northeast of Wynndel, due west of Mount Bohan, with Arrow Creek passing through the property.
CLAIMS: PAUL 1 and 2 (15 units each), PAUL 3 to 6 (14 units each).
OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION: The area is underlain by argillaceous quartzites and argillites of the Aldridge Formation of the Proterozoic Purcell Group.
WORK DONE: Geochemical survey, 1 003 soil samples analysed for molybdenum, lead, zinc, and copper, on Paul 1-4.
REFERENCE: Assessment Report 8486.

OSPREY (Fig. E-1, NTS 82, No. 127)

LOCATION: Lat. 49° 17′ Long. 116° 36′ (82F/7E, 8W)
NELSON M.D. Eleven kilometres north-northwest of Wynndel, immediately north of the headwaters of Jack Creek.
CLAIMS: OSPREY 1 and 2.
OWNER: R. P. CHERBO, Box 244, Nelson V1L 5P9.
METALS: Silver, lead, (gold, zinc, copper).
WORK DONE: Trail cutting; samples taken for assay, on Osprey 1.
REFERENCES: *Minister of Mines, B C.*, Ann. Rept., 1900, pp. 854, 855; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 57; 1979, p. 63; Mineral Inventory 82F/SE-101.

JAIM (Fig. E-1, NTS 82, No. 128)

LOCATION: Lat. 49° 23′ Long. 116° 33′ (82F/7E)
NELSON M.D. Thirty-eight kilometres north-northwest of Creston, immediately west and north of Mount Dickson.
CLAIM: JAIM (9 units).
OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver V6E 3A8.
DESCRIPTION: The property is underlain by equigranular and porphyritic quartz monzonite. Aplite dykes follow northeasterly joints and fractures. Minor molybdenite, pyrite, and magnetite are associated with quartz-muscovite veinlets.
WORK DONE: Geological mapping, 1:10 000; geochemical survey, 21 silt and 11 rock samples analysed for molybdenum, copper, zinc, lead, cobalt, nickel, silver, gold, uranium, and tungsten, on Jaim.
REFERENCE: Assessment Report 7886.

SANCA (Fig. E-1, NTS 82, No. 129)

LOCATION: Lat. 49° 24′ Long. 116° 33′ (82F/7E)
NELSON M.D. Approximately 34 kilometres north of Creston, on the southern tributary of Sanca Creek between Jackson Peak and Mount Dickson.
CLAIM: SANCA (9 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
DESCRIPTION: The property is underlain by the Bayonne batholith which consists of fine to coarse-grained quartz monzonite, generally porphyritic. Veining is uncommon, but when present consists mostly of quartz, K-feldspar, muscovite,

and/or biotite. Scheelite and powellite occur in the finer grained phase. Molybdenite occurs in float.

WORK DONE: Geological mapping, 1:5000; geochemical survey, 243 soil and silt samples analysed for molybdenum and tungsten, on Sanca.

REFERENCE: Assessment Report 8427.

BABU (Fig. E-1, NTS 82, No. 126)

LOCATION: Lat. 49° 25′ Long. 116° 30′ (82F/7E, 8W)
NELSON M.D. Sixteen kilometres southeast of Boswell, at the headwaters of Sanca Creek.

CLAIMS: BABU 1 and 2 (15 units each), BABU 3 and 4 (6 units each).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The Babu is underlain by undifferentiated granite, granodiorite, and quartz diorite. Pyrite occurs along joint faces.

WORK DONE: Geochemical survey, 73 soil samples analysed for molybdenum, copper, lead, and zinc, on Babu 1.

ROYAL CROWN, ICE (LEW) (Fig. E-1, NTS 82, No. 135)

LOCATION: Lat. 49° 20′ Long. 116° 04′ (82F/8E)
FORT STEELE M.D. Approximately 13.5 kilometres west-northwest of Aldridge. Lewis Creek and Ridgeway Creek flow through the centre of the property.

CLAIMS: LEW 1 and 2 (16 units each), LEW 3 to 9 (20 units each), LEW 10 (15 units), LEW 11 (16 units), LEW 12 and 13 (20 units each), LEW 14 (10 units), LEW 15 and 16 (20 units), LEW 17 (10 units), LEW 18 (9 units), LEW 19 (10 units), LEW 20 (20 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver.

METALS: Lead, copper, titanium.

DESCRIPTION: The hole intersected generally mixed lithologies interpreted to be dominantly Middle Aldridge sedimentary rocks, as well as a moderately thick Moyie sill. It intersected traces of lead-zinc mineralization in veinlets and fractures with sparse disseminations at several locations.

WORK DONE: Linecutting, 78.7 kilometres; ground electromagnetic survey, 36.6 kilometres; covering Lew 2-8, 14, 21; diamond drilling, 1 NQ hole, 648.4 metres, on Lew 6.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1929, p. 298; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 52, 1973, p. 65; Assessment Reports 4131, 8841; Mineral Inventory 82F/SE-64, 74.

HOMESTAKE, MARK, LUKE, JOHN (PERRY CREEK) (Fig. E-1, NTS 82, No. 134)

LOCATION: Lat. 49° 30′ Long. 116° 04′ (82F/8E, 9E)
FORT STEELE M.D. Eighteen kilometres west of Cranbrook, on Perry Creek in the Moyie Range of the Purcell Mountains.

CLAIMS: AZLIN (6 units), GOLD (10 units), BIRDIE LOAD, JANET, JANET 1 (4 units), GOLDEN WOLFE (4 units), TANIS (4 units), PETER ROCK (9 units), LONE EAGLE, QUARTZ CREEK, JOHN (4 units), MARK (6 units), LUKE (9 units), ECLIPSE (Lot 10223), ANNA (Lot 10224), STANDARD (Lot 10225), AGNES (Lot 10226), PIONEER (Lot 10227), OYSTER (Lot

10228), EVENING STAR (Lot 10229), PETRA 9 to 15 (7 units), CAROL 1 to 8 (8 units), LINDA 1 to 8 (8 units), ARIADNA 1 to 6 (6 units).

OWNERS: R. W. Hughes and Meridian Resources Ltd.

OPERATOR: GALLANT GOLD MINES LTD., 706, 675 West Hastings Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: A major part of the area is underlain by Creston Formation quartzite and Kitchener-Siyeh argillites and dolomitic argillites. The quartz-phyllites have a dominant foliation parallel to the Perry Creek antiform. Quartz veins contain minor pyrite. Gold area is underlain by a mafic unit of amphibolite metamorphic facies.

WORK DONE: Trenching, 8 trenches, on Luke, Mark, Petra 9-15, Tanis, Janet, Birdie Load, and Golden Wolfe; ground electromagnetic survey, 5.9 kilometres; geochemical survey, 1 606 soil samples analysed for lead and gold and 18 rock samples analysed for copper, lead, mercury, and gold, on Peter Rock, Petra 9-15, Quartz Creek, Luke, John, Birdie Load, Gold, Janet, Tanis, and Janet 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 57; 1979, p. 64; Assessment Reports 7103, 7723, 8598; Mineral Inventory 82F/SE-9, 12, 87; 82F/NE-56, 57, 117, 154.

CLAIR (Fig. E-1, NTS 82, No. 136)

LOCATION: Lat. 49° 39′ Long. 116° 15′ (82F/9)
FORT STEELE M.D. Twenty kilometres west of Kimberley, 5 kilometres northwest of St. Mary Lake.

CLAIMS: CLAIR 1 to 13 (totalling 192 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

METALS: Lead, zinc, tungsten, copper.

DESCRIPTION: The claims are underlain by fine-grained siliciclastic rocks of the Helikian Aldridge Formation and gabbro intrusive sills. The structure is dominated by the Purcell anticlinorium and block faulting. Minor chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur in quartz veins associated with the gabbro sills.

WORK DONE: 1979 – geological mapping, 1:20 000, on Clair 6-10.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1925, p. 230 (Dominion); *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 66; Assessment Reports 7676, 7681, 7902, Mineral Inventory 82F/NE-63, 67, 68.

ROME AND VALLEY (Fig. E-1, NTS 82, No. 139)

LOCATION: Lat. 49° 31′ Long. 116° 01.6′ (82F/9E)
FORT STEELE M.D. Eighteen kilometres west of Cranbrook, on the east side of Perry Creek between London and Rome Creeks.

CLAIMS: GARR 1 to 17.

OWNER: R. T. TRENAMAN, 1118, 355 Burrard Street, Vancouver V6C 2G8.

METAL: Gold.

DESCRIPTION: Minor pyrite and galena with gold values occur in fissure-filling quartz veins cutting greatly altered Creston argillaceous quartzite.

WORK DONE: Geochemical survey, 175 soil samples analysed for gold, on Garr 1, 3, and 5.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 271; Assessment Report 8122; Mineral Inventory 82F/NE-58.

LEADER (Fig. E-1, NTS 82, No. 137)

LOCATION: Lat. 49° 33′ Long. 116° 08′ (82F/9E)
FORT STEELE M.D. Approximately 22 kilometres south-southwest of Kimberley on the east side of Angus Creek, 8 kilometres south-southeast of St. Mary Lake.

CLAIM: LEADER.

OWNER: ALFRED BEST, Box 738, Chemainus V0R 1K0.

METALS: Silver, lead, zinc, copper, tungsten.

DESCRIPTION: The claim is underlain by slate and schist of the Creston Formation, cut by quartz veins and dykes and granitic porphyry intrusive rocks.

WORK DONE: Prospecting.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 66; Assessment Report 8163; Mineral Inventory 82F/NE-60.

BRONCO (Fig. E-1, NTS 82, No. 138)

LOCATION: Lat. 49° 34′ Long. 116° 12′ (82F/9E)
FORT STEELE M.D. Approximately 5 kilometres south of St. Mary Lake, with Hellroaring Creek cutting through the centre of the claim group.

CLAIMS: FORSON (20 units), BRONCO 1, BRONCO 2.

OPERATOR: LACANA MINING CORP., 312, 409 Granville Street, Vancouver.

METALS: Lead, zinc.

DESCRIPTION: Iron sulphides and weak galena, chalcopyrite, and sphalerite mineralization occur in fractured Aldridge quartzite adjacent to a major regional fault.

WORK DONE: Geological mapping, 1:5000; ground electromagnetic survey, 5.6 kilometres; ground magnetometer survey, 9 kilometres; geochemical survey, 340 soil samples analysed for zinc, lead, and silver, covering all claims.

REFERENCES: Mineral Inventory 82F/NE-74; Assessment Report 8466.

POLARIS (Fig. E-1, NTS 82, No. 140)

LOCATION: Lat. 49° 36′ Long. 116° 00′ (82F/9E)
FORT STEELE M.D. Approximately 10 kilometres south of Kimberley, stretching southwesterly along Pitt Creek to the headwaters of Pudding Burn Creek. It adjoins the Sullivan mine property.

CLAIMS: PITT 1 to 14 (totalling 103 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

METALS: (Silver, lead, zinc).

DESCRIPTION: The Pitt claims are underlain by a wide variety of Precambrian clastic rocks of the Aldridge Formation. Minor galena, sphalerite, and pyrite are known in quartz veins associated with the Moyie intrusives. The structural geology of the property is exceedingly complex and this probably is a result of the proximity to the St. Mary fault.

WORK DONE: Linecutting, 18.1 kilometres; geophysical survey, UTEM, 50 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 58 (Pitt); 1979, p. 65; Assessment Reports 99, 471, 3250, 5634, 7401, 8426; Mineral Inventory 82F/NE-54, 101.

SULLIVAN MINE **(Fig. E-1, NTS 82, No. 141)**

LOCATION: Lat. 49° 42′ Long. 116° 00′ (82F/9E; 82G/12W)
FORT STEELE M.D. Five kilometres south of the Sullivan orebody at Kimberley.

CLAIMS: Approximately 1500 Crown-granted and located claims including JERRY (Lot 13818), MOHAWK (Lot 13825), JURASSIC (Lot 13561), LATE 1 to 3 Fractions, LATE 43, 45, 47, 49, 51, 59 to 69, 76A, 77 to 81, 85 to 87, 89 to 91.

OWNER: COMINCO LTD., Box 2000, Kimberley V1A 2G3.

METALS: Lead, zinc, iron, silver, tin.

DESCRIPTION: A stratabound iron-lead-zinc sulphide lens occurs toward the top of the lower division of the Middle Proterozoic Aldridge Formation. The Aldridge Formation is a very fine-grained to fine-grained clastic sequence of quartzites, siliceous siltstones, and argillites. Significant portions were deposited by turbidity currents, below wave base.

WORK DONE: 1979 – linecutting, 14 kilometres; ground electromagnetic survey and ground magnetometer survey, 14 kilometres, covering Late; 1980 – road building, 0.74 kilometre, diamond drilling, 1 NQ hole, totalling 265.7 metres, on Jurassic; diamond drilling, 2 NQ holes, totalling 157.9 metres, on Jerry and Mohawk.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 58, E 59; 1979, p. 65; Assessment Reports 3621, 8510, 8511, 9095, 9096, Mineral Inventory 82F/NE-52, 53, 54.

COPPER KING **(Fig. E-1, NTS 82, No. 144)**

LOCATION: Lat. 49° 31′ Long. 116° 27′ (82F/9W)
NELSON M.D. Thirty-six kilometres west-southwest of Kimberley, covering a ridge south of White Grouse Mountain.

CLAIMS: BIG FOUR (Lot 3836), COPPER KING (Lot 3835), MAMOTH (Lot 3837), NOWELL (Lot 3838), BANNER (Lot 3839), GEM (Lot 3631), COLBY (Lot 6340), ROBBER KING (Lot 3626), SILVER TIP (Lot 3840), DUPLEX (Lot 3632), TAMARACK (Lot 6338).

OWNER: GERHARDI HOLDINGS LTD., 280 Baker Street, Nelson V1L 4H3.

METALS: Lead, silver, copper.

DESCRIPTION: The claims lie on contacts between Creston, Kitchener, and Siyeh Formations and a post-Triassic granite.

WORK DONE: Prospecting, on Copper King and Silver Tip.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1905, pp. 250, 251; Assessment Report 9105; Mineral Inventory 82F/NE-65.

AILSA **(Fig. E-1, NTS 82, No. 143)**

LOCATION: Lat. 49° 31.5′ Long. 116° 24′ (82F/9W)
FORT STEELE M.D. Approximately 34 kilometres west-southwest of Kimberley, at headwaters of Ailsa Creek covering Ailsa Lake, between White Grouse Mountain and Mount McKay.

CLAIMS: AILSA 1 and 2 (20 units each).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: (Molybdenum, tungsten, tin, lead).

(82F/9W)

DESCRIPTION: Siltstone with interbedded quartzite of the Upper Aldridge Formation to the east and phyllite to the west are intruded by quartz monzonite. The contact zone includes hornfels, siliceous siltstone, disseminated pyrite, kaolinite, sericite, and quartz veins. Molybdenite, scheelite, stibnite, and galena occur within this narrow contact zone.

WORK DONE: Geological mapping, 1:5000; geochemical survey, 263 soil samples analysed for molybdenum and tungsten, covering all claims.

REFERENCE: Assessment Report 8509.

SHADO (Fig. E-1, NTS 82, No. 142)

LOCATION: Lat. 49° 40′ Long. 116° 26′ (82F/9W)
FORT STEELE M.D. Thirty-one kilometres west of Kimberley, 2 kilometres southwest of Mount Bonner on Redding Creek.

CLAIMS: SHADO 1 to 5, 7 (totalling 16 units).

OWNER: Shado Mines Ltd.

OPERATORS: T. W. BRADFORD, 400 Briar Avenue, Cranbrook V1C 4B5 and SHADO MINES LTD., 623 – 28th Avenue South, Cranbrook V1C 3J9.

WORK DONE: Drifting, 80 cubic metres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 48; 1978, p. E 59.

DAVE, SANDY (Fig. E-1, NTS 82, No. 147)

LOCATION: Lat. 49° 32′ Long. 116° 40′ (82F/10E, 7E)
NELSON M.D. Approximately 12.5 kilometres north-northeast of Sanca, with Lockhart and La France Creeks bounding the south and north of the property.

CLAIMS: DAVE 1 (4 units), DAVE 2 (6 units), DAVE 3 (4 units), DAVE 4 and 5 (6 units each), SANDY, ORMONDE, UMPIRE.

OWNER: NORCEN ENERGY RESOURCES LTD., 715 Fifth Avenue SW, Calgary, Alberta T2P 1X7.

METALS: Lead, zinc, silver, barite.

DESCRIPTION: The property is underlain by the Helikian-Purcell series consisting of dolomitic limestones, phyllites, and intercalated dolomites and phyllites which are unconformably overlain by Hadrynian-Windermere series, Toby conglomerate and argillites of the Horsethief Creek Group. Visible mineralization, including galena, sphalerite, chalcopyrite, and fluorite, is limited.

WORK DONE: Trenching, 3 trenches, 120 metres, on Dave 1 and 2; geological mapping, 1:2500; ground electromagnetic survey, 7.7 kilometres; geochemical survey, 598 soil and 12 rock samples analysed for lead, zinc, iron, and manganese, covering Dave 1-4, Ormonde, and Umpire.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1900, p. 855; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 59, E 60; 1979, p. 66; Assessment Reports 5632, 6231, 6901, 7402, 8025, 8640; Mineral Inventory 82F/NE-138.

BAKER (Fig. E-1, NTS 82, No. 149)

LOCATION: Lat. 49° 36′ Long. 116° 39′ (82F/10E)
FORT STEELE M.D. Fourteen kilometres southwest of Crawford Bay, on the headwaters of Baker Creek, west of Burdett Peak.

CLAIMS: BAKER 1 to 6 (totalling 83 units), BAKER Fraction.
OWNER: COMINCO LTD., Seventh Floor, 409 Granville Street, Vancouver V6C 1T2.
METALS: (Molybdenum, tungsten).
DESCRIPTION: Molybdenite occurs in quartz veins cutting quartzite and calcareous metasedimentary rocks of the Dutch Creek Formation of Proterozoic age and also cutting a small quartz monzonite plug of Cretaceous (?) age.
WORK DONE: Diamond drilling, 5 BQ holes, totalling 1 005 metres, on Baker 1.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 67; Assessment Reports 7416, 8628.

FIVE METALS (Fig. E-1, NTS 82, No. 150)

LOCATION: Lat. 49° 38′ Long. 116° 40′ (82F/10E)
NELSON M.D. East of Kootenay Lake (Crawford Bay), approximately 9 kilometres due west of the junction of Baribeau and Redding Creeks, at the headwaters of Baribeau Creek.
CLAIM: FIVE METALS (20 units).
OWNER: R. W. Pearson.
OPERATOR: PEARSON GALLAGHER LTD., 280 Baker Street, Nelson V1L 4H3.
DESCRIPTION: The claim covers the contacts between Monk Formation argillaceous rocks, minor limestone, and conglomerate, Toby Formation conglomerate, minor argillite, and limestone, and Dutch Creek and Mount Nelson Formations argillite, dolostone, and quartzite. Siderite, galena, sphalerite, and tetrahedrite occur in quartz and carbonate veins cutting the stratigraphy and stratiform barite occurrences. Magnetite occurs on the southern portion of the claim.
WORK DONE: Prospecting, 1:2500; linecutting, 7.4 kilometres; geochemical survey, 72 soil samples analysed for copper, lead, zinc, and silver, on Five Metals.
REFERENCE: Assessment Report 9845.

COMMONWEALTH (Fig. E-1, NTS 82, No. 148)

LOCATION: Lat. 49° 40′ Long. 116° 40′ (82F/10E)
SLOCAN and FORT STEELE M.D. Eleven kilometres east of the community of Crawford Bay, on the south side of Mount Hooker and at the headwaters of Hooker Creek.
CLAIMS: SULTAN (Lot 4171), COMMONWEALTH (Lot 4172), REPUBLIC (Lot 4173), REPUBLIC FR. (Lot 4176), HOOKER (20 units).
OWNERS: E. Denny and J. Denny.
OPERATOR: CELCAN MINERALS LTD., 330 Lougheed Building, 604 First Street SW, Calgary, Alberta T2P 2M8.
METALS: (Silver, lead, zinc, copper).
DESCRIPTION: Lead, zinc, grey copper, malachite, azurite, and pyrite are found in a large quartz vein and several smaller quartz veins in the Horsethief Creek Formation, which in this area consists of schists, argillites, dolomites, and limestones near the western edge of the Toby conglomerate which underlies the Horsethief Creek Formation. Similar mineralization occurs in the limestone and in quartz stockworks.
WORK DONE: Road building, 3 kilometres, on Commonwealth, Republic, and Republic Fr.
REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1896, p. 94; 1900, pp. 982, 987, 988; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 67; Assessment Report 7947.

UNITED COPPER (Fig. E-1, NTS 82, No. 145)

LOCATION: Lat. 49° 43′ Long. 116° 36′ (82F/10E)
SLOCAN and FORT STEELE M.D. Seventeen kilometres east-northeast of Crawford Bay Post Office in Cogle Pass, 2 kilometres north of the headwaters of Canyon Creek.

CLAIM: UNITED COPPER.

OWNER: F. W. CARTWRIGHT JR., Box 754, Nelson V1L 5R7.

METALS: Copper, zinc, lead, gold, silver.

DESCRIPTION: Chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur in quartz veins and lenses in shear zones and in foliations of schist and argillites. Minor galena occurs along contact of schist and limestone.

WORK DONE: Road repair; trenching, 17 cubic metres, on United Copper.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 61; 1979, p. 68; Mineral Inventory 82F/NE-99.

JENNI (Fig. E-1, NTS 82, No. 146)

LOCATION: Lat. 49° 43′ Long. 116° 36.5′ (82F/10E)
SLOCAN M.D. Seventeen kilometres east-northeast of Crawford Bay Post Office, near Cogle Pass at the head of Sawyer Creek.

CLAIM: JENNI.

OWNER: A. MORES, 609 Wasson Street, Nelson V1L 3G5.

METALS: (Copper, zinc, lead, silver).

DESCRIPTION: Chalcopyrite, sphalerite, galena, pyrite, and pyrrhotite occur in quartz veins and lenses and in foliations of schist and argillites.

WORK DONE: Road repairs; trenching, 10.98 metres, on Jenni.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 39; 1977, p. E 49; 1978, p. E 61; 1979, p. 68.

PANARAMA (Fig. E-1, NTS 82, No. 161)

LOCATION: Lat. 49° 33′ Long. 116° 57′ (82F/10W)
NELSON M.D. Approximately 6.2 kilometres south of Procter.

CLAIMS: BINGO 1 and 2, RENI 1 to 6.

OWNER: A. G. NIGHUIS, RR 3, Nelson.

METALS: Lead, silver.

DESCRIPTION: Rock types in the vicinity of the claims consist mainly of white layered quartzites and in lesser amounts mica schists, calc-silicate gneiss, and altered limestone.

WORK DONE: Prospecting, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1928, p. 326; 1968, p. 246; Assessment Report 8941; Mineral Inventory 82F/NE-39, 40.

GREY (Fig. E-1, NTS 82, No. 152)

LOCATION: Lat. 49° 36′ Long. 116° 46′ (82F/10W)
NELSON M.D. Kootenay Lake, east side of Crawford Bay, straddling Birbeck Creek and McFarlane Creek.

CLAIMS: GREY 1 (4 units), GREY 2 (12 units), GREY 3 (8 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: (Molybdenum, tungsten).

(82F/10W)

DESCRIPTION: Amphibolite, chloritic schists, and phyllites of the Horsethief Creek Group and Hamill Formation (Upper Proterozoic) are intruded by two biotite-quartz-monzonite stocks and a thin diorite dyke (Cretaceous ?). Minor molybdenite, scheelite, and pyrite occur within the intrusive rocks and a skarn zone.

WORK DONE: Linecutting, 16 kilometres; geological mapping, 1:5000; geochemical survey, 337 soil and 4 silt samples analysed for copper, lead, zinc, manganese, molybdenum, and tungsten, on Grey 1-3.

REFERENCE: Assessment Report 8239.

CRAW (Fig. E-1, NTS 82, No. 151)

LOCATION: Lat. 49° 39′ Long. 116° 50′ (82F/10W)
SLOCAN M.D. Eleven kilometres south-southeast of Ainsworth Hot Springs, lying on the east side of the Crawford Bay peninsula, Kootenay Lake.

CLAIMS: CRAW 1 to 31.

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: (Copper, lead, zinc).

DESCRIPTION: The claims are underlain by folded and faulted siltstone, amphibolite, marble, dolomite, quartzite, and limestone (Lower Cambrian) intruded by granitic stocks (Jurassic or Cretaceous). Some of the siltstone beds contain graphite and pyrrhotite with minor amounts of copper, lead, and zinc sulphides. The limestone is believed to be equivalent to the Badshot Formation hosting the Bluebell deposit.

WORK DONE: 1979 – linecutting, 3 kilometres; geochemical survey, 750 soil samples analysed for lead, zinc, silver, and manganese, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 50; GEM, 1973, p. 72; Assessment Reports 4132, 4814, 6247, 8006.

WEDGE (Fig. E-1, NTS 82, No. 157)

LOCATION: Lat. 49° 40.5′ Long. 116° 48′ (82F/10W)
SLOCAN M.D. Approximately 1 kilometre north-northeast of the northern tip of Crawford Bay in Kootenay Lake, with Burden Creek cutting through the south end of the claim.

CLAIM: WEDGE 1 (2 units).

OPERATOR: A. E. WOOD, Box 26, Gray Creek.

WORK DONE: Geological mapping, 1:5400.

REFERENCE: Assessment Report 8655.

CALIENTE (Fig. E-1, NTS 82, No. 153)

LOCATION: Lat. 49° 42.5′ Long. 116° 46′ (82F/10W)
SLOCAN M.D. Approximately 10.5 kilometres east-southeast of Ainsworth; claim cut by Crawford Creek at junction of Crawford Creek and Orebin Creek.

CLAIM: CALIENTE 1.

OWNER: Gerhardi Holdings Ltd.

OPERATOR: ELTRON SECURITY SYSTEMS LTD., Box 31, Cochrane, Alberta T0L 0W0.

DESCRIPTION: The property is underlain by grey-green and white quartzite of the Hamill series in fault contact with green, argillaceous quartzite, blue-grey limestone, arkose, and pebble conglomerate of the Horsethief Creek series, the Orebin Creek fault.

WORK DONE: Linecutting, 4.5 kilometres; ground electromagnetic survey and ground magnetometer survey, 4.5 kilometres each, covering Caliente 1.

REFERENCE: Assessment Report 8493.

HIGHLANDER (AINSWORTH), UNION, PEANUT BUTTER (Fig. E-1, NTS 82, No. 156)

LOCATION: Lat. 49° 43′ Long. 116° 56′ (82F/10W)
SLOCAN M.D. Property is located just north of Ainsworth Hot Springs to Coffee Creek.

CLAIMS: Sixty-two Crown-granted claims including CROW FLEDGLING (Lot 146), BLACK CHIEF (Lot 569), BLACKBIRD (Lot 174), LAST CHANCE (Lot 2333), GLENGARRY NO. 2 (Lot 10678), UNITED (Lot 172), MISSOURI, ALF, UNION 3 and 4, PB 3 Fraction to PB 6 Fraction, PEANUT BUTTER 1 and 2 (26 units), DICTATOR (Lot 243), EARL (Lot 1436).

OWNERS: 1979 – David Minerals Ltd.; 1980 – Evelyn Carter, David Minerals, Merida Developments Ltd., and W. L. Carter.

OPERATOR: DAVID MINERALS LTD., Box 1285, Ainsworth V0G 1A0.

METALS: Lead, zinc, silver.

DESCRIPTION: There are two distinct types of ore deposits in the Ainsworth area: replacement and vein. The vein-type deposits are characterized by galena, pyrite, and sphalerite in a quartz-carbonate gangue along with minor chalcopyrite and assorted silver minerals. These veins can be separated into two broad groups: one striking north-south dipping to the west at moderate angles and the other striking northwest dipping almost vertically. Where these veins intersect limestone beds, replacement-type deposits can result. The country rock is composed of a variety of metamorphic rocks striking generally north-south and dipping to the west.

WORK DONE: 1979 – linecutting, 62.2 kilometres; geochemical survey, 1 420 soil samples analysed for lead, zinc, and copper, on Peanut Butter 1 and 2; linecutting, 66 kilometres; geochemical survey, 78 soil samples analysed for silver, lead, zinc, and copper, on Union 3 and 4; 1980 – geological mapping, 1:1000; diamond drilling, 41 NQ/BQ holes, totalling 3 120.8 metres; electromagnetic survey, 80 kilometres; geochemical survey, 1 656 soil and silt samples analysed for silver, lead, and zinc, covering Black Chief, Earl, Blackbird, Dictator, Glengarry, United, and Last Chance.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1951, pp. 144, 145; 1952 pp. 156-162; 1953, pp. 123-130; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 53, pp. 12, 44, 50, 52, 76, 114; *Geol. Surv., Canada*. Mem. 114; Assessment Reports 989, 7975, 8240, 8254, 8440, 8992; Mineral Inventory 82F/NE-26-31, 34, 35, 77, 78, 80, 83, 140, 142, 145, 147, 149, 150.

STORM CLOUD (Fig. E-1, NTS 82, No. 154)

LOCATION: Lat. 49° 43′ Long. 116° 56.5′ (82F/10W)
SLOCAN M.D. Approximately 4.5 kilometres southwest of Ainsworth, in the Ainsworth camp.

CLAIMS: STORM CLOUD (Lot 300), FOURTH (Lot 301).

OWNER: K. SURINA, General Delivery, Meadow Creek V0G 1N0.

METALS: (Zinc, lead, silver, gold).

DESCRIPTION: The property is underlain by deformed massive limestone, limestone breccia, and black argillaceous limestone. Pyrite, galena, and sphalerite occur in faults, breccia, and black limestone.

WORK DONE: 1979 – geological mapping, 1:500, covering both claims.

REFERENCE: Assessment Report 8192.

JACK POT (Fig. E-1, NTS 82, No. 159)

LOCATION: Lat. 49° 44′ Long. 116° 55′ (82F/10W) SLOCAN M.D. At Ainsworth, on the waterfront approximately 4.8 kilometres north-northeast of the junction of Leake Creek and Coffee Creek.

CLAIMS: JACKPOT, JACKPOT Fraction.

OWNER: D. Currie.

OPERATOR: S. GOWER, 987 Gatenbury, Coquitlam.

METALS: Lead, zinc, silver.

DESCRIPTION: The underground and surface workings are located on the northerly extension of the Highlander vein system. The vein system is hosted in a silicified member formed from granitization of the enclosing silver schists. The main vein consists of massive and brecciated quartz which follows bedding planes in the schist.

WORK DONE: Geological mapping, 1:120, covering both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1951, p. 144; 1953, p. 131; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 53; Assessment Report 9347; Mineral Inventory 82F/NE-33.

TIGER (Fig. E-1, NTS 82, No. 158)

LOCATION: Lat. 49° 44.8′ Long. 116° 56′ (82F/10W) SLOCAN M.D. Approximately 2.2 kilometres west-northwest of Ainsworth approximately 6 kilometres north of Coffee Creek and junction of Leake Creek.

CLAIM: TIGER (Lot 88).

OWNER: G. Bennett.

OPERATOR: L. B. GOLDSMITH, Box 29, Silverton.

METALS: Lead, zinc, silver.

DESCRIPTION: The claim lies on contact between limestone and schist. Attitudes of bedding trend northerly and dip 50 degrees east or moderately west. Foliation trends northwesterly with southerly dips.

WORK DONE: Geochemical survey, 24 soil samples analysed for lead and silver, 2 rock samples analysed for silver, lead, and zinc, on Tiger.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1927, p. 282; Assessment Report 8701; Mineral Inventory 82F/NE-22.

CHERI (Fig. E-1, NTS 82, No. 160)

LOCATION: Lat. 49° 45′ Long. 116° 58′ (82F/10W, 15W) SLOCAN M.D. Five kilometres west of Ainsworth, between Lendrum Creek to the north and Krao Creek to the south.

CLAIMS: CHERI 1 to 6.

OWNER: D. CURRIE, General Delivery, Ainsworth V0G 1A0.

DESCRIPTION: The claims are underlain by granite in contact with contorted limestone, which eastward is increasingly interbedded with argillite. A lamprophyre dyke dipping 50 to 60 degrees west has quartz with pyrite on its hangingwall.

(82F/11E)

WORK DONE: Prospecting, covering all claims.
REFERENCE: Assessment Report 9005.

KOK (Fig. E-1, NTS 82, No. 162)

LOCATION: Lat. 49° 37.5′ Long. 117° 08′ (82F/11E)
NELSON M.D. Approximately 18 kilometres northeast of Nelson on north side of Kootenay Lake's west arm, at junction of Kokanee and Busk Creeks.
CLAIM: BIG M (6 units).
OWNER: R. W. Pearson.
OPERATOR: PEARSON GALLAGHER LTD., 280 Baker Street, Nelson.
METALS: Lead, zinc, copper.
DESCRIPTION: The claims are underlain by argillites, slates, limestones, and paragneisses of the Ymir Group. Mineralization consists of pyrrhotite, pyrite, minor sphalerite, and hydrozincite.
WORK DONE: 1979 and 1980 – ground magnetometer survey, 2.2 kilometres; geochemical survey, 6 soil samples analysed, on Big M.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 239; Assessment Report 8725; Mineral Inventory 82F/NW-211.

HIGH POCKETS (Fig. E-1, NTS 82, No. 165)

LOCATION: Lat. 49° 33′ Long. 117° 18′ (82F/11W)
NELSON M.D. Four kilometres north of Nelson, on the east slope of Mount Nelson, straddling Silverton (Four Mile) Creek.
CLAIM: HIGH POCKETS 1 (20 units).
OWNER: S. PASZTY, 2644 Tenth Avenue, Castlegar.
DESCRIPTION: Crystals of radioactive euxenite with magnetite occur in orthoclase at a large body of white quartz.
WORK DONE: 1979 – prospecting.
REFERENCE: Assessment Report 8121.

YOSIE (Fig. E-1, NTS 82, No. 163)

LOCATION: Lat. 49° 44′ Long. 117° 18′ (82F/11W)
SLOCAN M.D. On the east side of Crusader Creek, immediately north of Mineral Creek.
CLAIMS: YOSIE 1 to 5.
OWNER: C. C. YOUNG, 324 Delbrook Street, Nelson V1L 5L3.
METALS: Lead, silver.
DESCRIPTION: Galena in small shears in Nelson granodiorite may be related to nearby pegmatite.
WORK DONE: Extending exploration pits, on Yosie 1 and 2.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 61; 1979, p. 69; Mineral Inventory 82F/NW-221.

GOLDSTREAM (Fig. E-1, NTS 82, No. 164)

LOCATION: Lat. 49° 44′ Long. 117° 22′ (82F/11W)
SLOCAN M.D. Six kilometres southwest of Slocan, on the northerly head of Chapleau Creek.

CLAIMS: LEGAL (Lot 5977), RITA (Lot 5978), LOUISE FR. (Lot 5980), GOLDSTREAM (Lot 1909), GOLDSTREAM 1 to 4 (Lots 1910 to 1913), LEGAL FR. (Lot 1914).

OWNERS: E. Denny and P. Denny.

OPERATORS: E. DENNY and J. DENNY, RR 1, Nelson V1L 5P4.

METALS: Gold, silver.

DESCRIPTION: Quartz veins are found in coarse porphyritic granite of the Nelson batholith (Lower Cretaceous) which contains pyrite and galena.

WORK DONE: Road building, 3.5 kilometres, on Legal; repairs to old trail, 2 kilometres, on Rita; clearing 5 adits, on Louise Fr., prospecting and sampling, on Goldstream 1-4.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1899, p. 690, 1900, p. 831; 1901, p. 1028; 1902, p. 151; 1903, p. 139; 1904, pp. 168, 297; 1938, pp. E 8, E 9, E 10, A 37; Mineral Inventory 82F/NW-134.

TILLICUM (Fig. E-1, NTS 82, No. 166)

LOCATION: Lat. 49° 58.5′ Long. 117° 42.5′ (82F/13E)
SLOCAN M.D. Forty kilometres south of Nakusp, at the headwaters of Goatcanyon Creek.

CLAIMS: SANDY TOO (3 units), NEAR (7 units).

OWNERS: A. A. GUSTAFSON and E. E. GUSTAFSON, Box 101, Burton V0G 1E0.

METALS: Tungsten, (gold, silver).

DESCRIPTION: Calc-silicate limestone and quartzite, tightly folded (Pennsylvanian to Triassic Milford Group ?) host scheelite, galena, sphalerite, tetrahedrite, pyrite, gold, and silver values in skarn zones. These rocks are sandwiched between the Nelson and Valhalla intrusive rocks, and cut by lamprophyre dykes.

WORK DONE: Prospecting, covering both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1921, p. 174; Assessment Report 7909; Mineral Inventory 82F/NW-234.

GOLD VIKING (Fig. E-1, NTS 82, No. 184)

LOCATION: Lat. 49° 47′ Long. 117° 27′ (82F/14W)
SLOCAN M.D. Approximately 22.3 kilometres southwest of the town of Silverton, lying 3.5 kilometres northeast of Slocan.

CLAIMS: PAYROCK (10 units), BONANZA 3 (Lot 5497), GOLD VIKING (Lot 4850), NEW PHOENIX FR. (Lot 4851), VIKING FR. (Lot 4852), SPRINGER 1 (Lot 1495), SPRINGER 2 (Lot 1496), PORT HOPE FR. (Lot 1497), VIKING FR. 2 (Lot 1516).

OWNER: G. Sipos.

OPERATOR: AMER GAS RESOURCES LTD., 705, 850 West Hastings Street, Vancouver V6C 1E2.

METALS: (Gold, silver).

DESCRIPTION: Property is on contact zone between paragneiss, probably of Triassic Slocan Group, and granodiorite of the Cretaceous Nelson batholith. Shear zones, north to north 30 degrees east, 60 degrees to 70 degrees east, cross the area; mineralization is associated with shear zones. Quartz-calcite veins carry galena, sphalerite, pyrite, and minor chalcopyrite.

WORK DONE: Geochemical survey, 396 soil samples analysed for copper, lead, zinc, silver, molybdenum, nickel, cobalt, and manganese, on Bonanza 3, New Phoenix Fr., Viking Fr., Gold Viking, Springer 1 and 2, Port Hope Fr.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1900, p. 863; 1901, p. 1222; 1902, pp. 167, 170; 1935, p. E 32; 1936, p. E 23; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 63; Assessment Reports 7078, 8825; Mineral Inventory 82F/NW-193.

TAMARACK (Fig. E-1, NTS 82, No. 180)

LOCATION: Lat. 49° 47.5′ Long. 117° 24′ (82F/14W)
SLOCAN M.D. Eight kilometres northeast of Slocan, straddling upper Algiers Creek, adjoining the Ottawa silver mine.

CLAIMS: BILOXIE (Lot 6929), TAMARACK 2 (Lot 6054), TAMARACK 3 FR.

OWNER: POLARIS ENERGY CORP., 901, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Lead, zinc, copper, silver, barite.

DESCRIPTION: The property is underlain by porphyritic granite of the Nelson intrusions (Cretaceous). Occasionally it contains relicts of quartzites, phyllites, black schists, and argillites. Pyrite, galena, sphalerite, chalcopyrite, and tetrahedrite with quartz, calcite, and barite gangue occur in veins and lenticular bodies within sheared intrusive rocks.

WORK DONE: Geological mapping, 1:3000; ground electromagnetic survey, 5.4 kilometres; geochemical surveys, 171 soil and 12 rock samples analysed for lead, zinc, and silver, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 62; Assessment Reports 7151, 8311; Mineral Inventory 82F/NW-156.

MARY (Fig. E-1, NTS 82, No. 177)

LOCATION: Lat. 49° 48′ Long. 117° 17′ (82F/14W)
SLOCAN M.D. Thirteen kilometres northeast of Slocan, at the junction of Enterprise and Timber Creeks.

CLAIM: JUMBO (12 units).

OWNER: S. Bierisoff.

OPERATOR: ALTO EXPLORATION LTD., Box 11107, 1400, 1055 West Georgia Street, Vancouver V6E 3P3.

METALS: Gold, silver, lead.

DESCRIPTION: A flat-dipping shear zone strikes easterly and dips southerly on the south side of Enterprise Creek. Country rock is a feldspar porphyry of the Nelson batholith.

WORK DONE: Drifting, 100 metres; road building, 100 metres; diamond drilling, 4 AX holes, totalling 125 metres, all on Jumbo.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 74; Mineral Inventory 82F/NW-208.

LITTLE TIM, V DAY (Fig. E-1, NTS 82, No. 179)

LOCATION: Lat. 49° 48.5′ Long. 117° 22′ (82F/14W)
SLOCAN M.D. Nine kilometres northeast of Slocan at the head of Bondholder Creek.

CLAIMS: LITTLE TIM 1 (Lot 18159), LITTLE TIM 2 (Lot 18148), LITTLE TIM 3 (Lot 18160), LITTLE TIM 4 (Lot 18149), ABEE 1 (Lot 745), ABEE 2 (Lot 746), ABEE 3 (Lot 747), ABEE 4 (Lot 748), ABEE 7 (Lot 1297), ABEE 8 (Lot 1298), ABEE 9 (Lot 1338), ABEE 10 (Lot 1339), SILVER

RING (Lot 1375), SILVER KETTLE (Lot 1374), SAD SAC (Lot 1378), THREE SONS 1 (Lot 1377), THREE SONS 2 (Lot 1376), BIG MAC 1 (Lot 1357), BIG MAC 2 (Lot 1358), FIN SWEDE (Lot 1459), GAB (Lot 2087), MUFF (Lot 2070).

OWNER: D. Nebor.

OPERATOR: SVEINSON WAY MINERAL SERVICES LTD., 223 No. 3 Hangar, Municipal Airport, Edmonton, Alberta.

METALS: Silver, lead, zinc.

DESCRIPTION: A vein loop system strikes generally 60 degrees, dipping southeast at 45 degrees to 75 degrees. Veins cut porphyritic phase of Nelson batholith. Wallrock is hydrothermally altered to either chloritic or argillic phases. Mineralization consists of galena, tetrahedrite, sphalerite, chalcopyrite, pyrite, and native silver plates and wires. Sulphides tend to be located on the vein footwall. Native silver occurs in the veins and in chloritic alteration zones.

WORK DONE: Geological mapping, 1:250, 1:2500; linecutting, 6 000 metres; drifting, underground, 40 metres; road building, 3 kilometres; diamond drilling, 3 AQ holes, totalling 490 metres; geochemical survey, 5 000 samples analysed for silver, lead, and zinc, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 449; 1973, p. 76; Mineral Inventory 82F/NW-157, 192.

ENTERPRISE (Fig. E-1, NTS 82, No. 181)

LOCATION: Lat. 49° 49′ Long. 117° 19.5′ (82F/14W)
SLOCAN M.D. Nine kilometres east of Slocan Lake, on Enterprise Creek.

CLAIMS: ENTERPRISE (Lot 1014), UNITED EMPIRE (Lot 2103), LONDON Fraction, ENTERPRISE FR. (Lot 4522), EMPRESS FR. (Lot 8400), LODE 1 to 12, RAINBOW FR. (Lot 14543), SLOCAN QUEEN.

OWNER: L. B. GOLDSMITH, Box 29, Silverton.

METALS: Gold, silver, lead, zinc, (silica).

DESCRIPTION: The claims are underlain by porphyritic granodiorite and diorite phases of the Nelson batholith. Pyrite, galena, sphalerite, tetrahedrite, and chalcopyrite occur in quartz gangue.

WORK DONE: Geochemical surveys, 11 soil samples analysed for lead and silver on Enterprise; 62 soil samples analysed for lead and silver on United Empire, London Fr., Rainbow Fr., Slocan Queen, Enterprise, Enterprise Fr., Empress Fr.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 70; GEM, 1973, p. 75; *Geol. Surv., Canada*, Mem. 184, pp. 172-174; Mem. 308, pp. 142, 143; Assessment Reports 7712, 8513, 8953; Mineral Inventory 82F/NW-148.

WESTMONT (Fig. E-1, NTS 82, No. 178)

LOCATION: Lat. 49° 50′ Long. 117° 19′ (82F/14W)
SLOCAN M.D. Twelve kilometres northeast of Slocan, on the south side of Westmont Creek, about 1 kilometre from Enterprise Creek.

CLAIMS: EASTMONT (Lot 8924), WHITE CLOUD (Lot 8925), ODDFELLOW (Lot 8926), EASTMONT FR. (Lot 8927), CLIPPER (Lot 8928), WESTMONT (Lot 8929), LILLY G (Lot 8930), WHITE CLOUD FR. (Lot 8931), YANKEE GIRL FR. (Lot 8935).

OWNERS: HOKO EXPLORATIONS LTD. and ALTO EXPLORATION LTD., 1400, 1055 West Georgia Street, Vancouver V6E 3P3.

METALS: Silver, lead, zinc.

DESCRIPTION: Silver occurs as native argentite and tetrahedrite. Galena and sphalerite are the major sulphide minerals. Mineralization occurs in pockets along a strong shear zone striking northeast and dipping vertically.

WORK DONE: Road building, 800 metres, on Eastmont and Eastmont Fr., drifting, 200 metres, on Eastmont.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 63; GEM, 1971, p. 410; Mineral Inventory 82F/NW-145.

ROCKLAND, SILVER BAND (Fig. E-1, NTS 82, No. 183)

LOCATION: Lat. 49° 53′ Long. 117° 22′ (82F/14W)
SLOCAN M.D. Six kilometres south of New Denver, covering Aylwin Creek.

CLAIMS: AYL 1 (4 units), AYL 2 (6 units), AYL 7 (1 unit), ENT 1 (4 units), ENT 2 (12 units), ENT 3 (16 units), ENT 4 (12 units), GOLDEN (Lot 7303), GOLDEN FR. (Lot 7307), IDLER (Lot 7304), LAST CHANCE II (Lot 5233), LEONA 7 to 10, LITTLE DAISY (Lot 7302), ROCKLAND (Lot 3884), RUSH (20 units), RUSTLER (Lot 3885), SILVER BAND (Lot 5828), TRENTON (Lot 5232), WILLA (Lot 1952).

OWNERS: Rio Tinto Canadian Exploration Ltd., BP Minerals Ltd., and P. Leontowicz.

OPERATORS: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6 and BP MINERALS LTD., 1007, 1111 West Hastings Street, Vancouver V6E 3N5.

METALS: Copper, gold, molybdenum.

DESCRIPTION: A roof pendant of andesitic metavolcanic rocks in the Nelson batholith hosts a porphyry molybdenum system related to several porphyritic intrusions. These are cut by a body of intrusive breccia which is the host for structurally controlled copper-gold mineralization.

WORK DONE: Geological mapping, 1:5000; topographical mapping, 15 square kilometres; geochemical survey, 380 samples analysed for copper, molybdenum, tungsten, and fluorine, covering all claims, core sampling, 580 core samples taken, on Rockland, Willa, and Idler; road building, 0.50 kilometre; and diamond drilling, 8 NQ holes, totalling 2 626 metres, on Rockland and Willa; diamond drilling, 1 BQ hole, totalling 220 metres, on Idler; road building, 0.50 kilometre, on Leona 7-10, Little Daisy, Rush, Idler, Rockland, and Willa; control survey, 500-metre baseline, on Rockland, Willa, Idler and Little Daisy.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 70; GEM, 1970, p. 450; Assessment Reports 7853, 8759, 8859; Mineral Inventory 82F/NW-70, 71, 73.

SILVERTON BOY, MOHAWK, CRESCENT (Fig. E-1, NTS 82, No. 188)

LOCATION: Lat. 49° 57′ Long. 117° 20′ (82F/14W)
SLOCAN M.D. Two kilometres east of Silverton, with Silverton Creek cutting through the Mohawk claim.

CLAIMS: SILVERTON BOY (Lot 2536), CRESCENT (Lot 2540), MOWHAWK (Lot 2537).

OWNER: J. Cannon.

OPERATOR: R. V. HOGG, Box 114, Silverton V0G 2B0.

DESCRIPTION: Lead, zinc, and silver mineralization occurs in a fine breccia lode stringer of the Slocan Group of sedimentary rocks.

WORK DONE: Prospecting and rehabilitation work.
REFERENCES: *Minister of Mines, B.C.*, 1898, pp. 1078, 1189, 1193; 1900, p. 986; 1951, p. 175; 1952, p. 179.

SHADOW, NORJACK (Fig. E-1, NTS 82, No. 182)

LOCATION: Lat. 49° 57′ Long. 117° 21′ (82F/14W)
SLOCAN M.D. Located on east side of Slocan Lake, immediately south of Silverton.
CLAIMS: SHADOW 1 to 4, SHADOW 10 to 12, NORJACK 1 to 4, WINONA 3 and 4.
OWNER: AMIGO SILVER MINES LTD., 4793 Commercial Drive, Vancouver V5N 4G8.
METALS: Lead, silver, zinc.
DESCRIPTION: A few outcrops on the property consist of porphyritic granite and argillite.
WORK DONE: Geochemical survey, 200 soil samples analysed for lead and silver, covering Shadow, Winona.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet Res.*, GEM, 1972, p. 57; GEM, 1973, p. 77; Assessment Reports 4033, 4537, 4649, 8237; Mineral Inventory 82F/NW-247.

MAMMOTH, MONARCH (Fig. E-1, NTS 82, No. 187)

LOCATION: Lat. 49° 57.5′ Long. 117° 20′ (82F/14W)
SLOCAN M.D. Four kilometres east of Silverton at the head of Emily Creek.
CLAIMS: HECLA (Lot 13576), MONARCH (Lot 13571), MONARCH FR. (Lot 13570), MINORU (Lot 11735), GOODWIN (Lot 11736), MOWICH (Lot 13569), TRAM FR. (Lot 13577).
OWNERS: R. MILLS and W. MENGLER, 519 Third Street, Nelson V1L 2P7.
METALS: Silver, lead, zinc.
DESCRIPTION: Ore is running approximately 1 371.4 grams per tonne silver, 8 per cent lead, and 12 per cent zinc on the average. Vein is from 0.3 metre to 1.2 metres in width and standing about 60 degrees over a total length of 213 metres.
WORK DONE: Underground development, drifting, 76.2 metres, on Hecla.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 42; Mineral Inventory 82F/NW-60.

CHETOPAH (Fig. E-1, NTS 82, No. 186)

LOCATION: Lat. 49° 58′ Long. 117° 17.5′ (82F/14W)
SLOCAN M.D. Approximately 5 kilometres northeast of townsite of Silverton. Claim lies directly on top of Idaho Peak.
CLAIM: CHETOPAH (Lot 3534).
OWNER: G. Bennett.
OPERATOR: L. B. GOLDSMITH, Box 29, Silverton.
DESCRIPTION: The property is underlain by Triassic-Jurassic sedimentary rocks of the Slocan series, predominantly argillites with quartzite horizons and, locally, limestone. Fold zones trend northwestward. No mineralization was observed on the claim.
WORK DONE: Geological mapping, 1:2000; geochemical survey, 46 soil samples analysed for lead and silver, on Chetopah.
REFERENCE: Assessment Report 8948.

LOST TIGER (Fig. E-1, NTS 82, No. 185)

LOCATION: Lat. 49° 58′ Long. 117° 20′ (82F/14W)
SLOCAN M.D. Approximately 3.6 kilometres northeast of the townsite of Silverton, with Barlett Creek cutting through the southeast corner of claims.

CLAIMS: LOST TIGER (Lot 3744), ESTELLA (Lot 3742), BETSY ROSS (Lot 3743), LINK FR. (Lot 3745), HAPPY DELIVERY (Lot 4973).

OWNER: E. GEORGE, Box 166, New Denver V0G 1S0.

DESCRIPTION: The property is underlain by quartzites and argillites of the Slocan Group. Silver-lead-zinc deposits in the area are hosted in shoots within fracture or crush zones in argillite.

WORK DONE: Geochemical survey, 185 soil samples analysed for lead and silver, on Lost Tiger.

REFERENCE: Assessment Report 8908.

INDEX (Fig. E-1, NTS 82, No. 172)

LOCATION: Lat. 49° 51′ Long. 117° 07′ (82F/14E)
SLOCAN M.D. On the northern boundary of Kokanee Glacier Park, at the junction of Desmond and Keen Creeks.

CLAIMS: DEX 1 to 5.

OWNER: ANDEX MINES LTD., 707, 543 Granville Street, Vancouver V6C 1X8.

METALS: Lead, zinc, silver, (gold).

DESCRIPTION: A quartz vein system carrying values in lead, zinc, silver, and minor gold.

WORK DONE: Road building, approximately 1.6 kilometres, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1957, p. 51; 1967, p. 255; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 333; 1971, p. 408; 1972, p. 59; Exploration in B.C., 1975, p. E 38; Mineral Inventory 82F/NW-101.

BISMARK, GOLD CURE (Fig. E-1, NTS 82, No. 167)

LOCATION: Lat. 49° 53′ Long. 117° 06′ (82F/14E)
SLOCAN M.D. Approximately 33 kilometres north-northeast from Slocan, with Charlie Creek flowing through the western portion of the property.

CLAIMS: GOLD CURE (Lot 5294), GOLD CURE FR. (Lot 5295), FULL RIG (Lot 5296), CROWN POINT (Lot 5297), BISMARK FR. (Lot 1258), BISMARK (Lot 11273), MOUNTAIN GOAT (Lot 11274), BISMARK 1 (20 units), HIGHLAND LADDIE (Lot 11275).

OWNERS: E. and J. Denny.

OPERATOR: HUDSON BAY EXPLORATION AND DEVELOPMENT CO. LTD., 440, 1055 West Hastings Street, Vancouver V6E 2E9.

METALS: Silver, lead, zinc.

DESCRIPTION: The property is underlain by a northeasterly striking belt of Slocan (Triassic) sedimentary rocks folded into a tight upright syncline. They are flanked by intrusive rocks of the Nelson batholith.

WORK DONE: Road building, 3.5 kilometres; trenching, 28 metres; geochemical survey, 17 rock samples analysed for silver, zinc, and lead, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1898, p. 1085; 1900, p. 851; 1902, p. 153; 1903, p. 140; 1904, p. 158; 1905, p. 159; 1906, p. 43; 1907, p. 213; 1908, p. 93; 1909, p. 106; 1910, p. 243; 1915, p. 449; 1926, p. 260; 1928, p. 237; 1951, p. 166; Assessment Report 8437; Mineral Inventory 82F/NW-96, 185.

FAIRMONT (Fig. E-1, NTS 82, No. 174)

LOCATION: Lat. 49° 53' Long. 117° 13' (82F/14E)
SLOCAN M.D. Approximately 5.4 kilometres west-northwest of the junction of Blacktail Creek and Keen Creek.

CLAIMS: REDWARD (4 units), SILVERMAIDEN (4 units).

OWNER: R. E. Allen.

OPERATORS: R. E. ALLEN, H. MURPHY, and R. MURPHY, Box 657, Nakusp V0G 1R0.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: The property is underlain by porphyritic quartz diorite of the Nelson batholith on the south and somewhat finer grained nonporphyritic granite on the north which could be related to the Valhalla plutonic rocks.

WORK DONE: Prospecting, covering both claims.

REFERENCES: *Geol. Surv., Canada*, Mem. 184, p. 40; Assessment Report 8950; Mineral Inventory 82F/NW-103.

COMSTOCK (Fig. E-1, NTS 82, No. 171)

LOCATION: Lat. 49° 54' Long. 117° 14' (82F/14E)
SLOCAN M.D. Approximately 8 kilometres west-northwest of Kyawats Creek, with Silverton Creek flowing north to south through the property.

CLAIMS: SILVER CUP (Lot 1815), ISABEL FR. (Lot 1817), KENTUCKY GIRL (Lot 1818), RUBY TRUST (Lot 1804), COMSTOCK (Lot 1814), SILVER CHIEF (Lot 1813), TD-9 1, 2, 4, 5, CSC 1 to 7 (78 units).

OWNER: CHOPPER MINES LTD., 201, 744 West Hastings Street, Vancouver.

METALS: Silver, lead, gold, zinc.

DESCRIPTION: The property is underlain by a uniform granodiorite near the north contact of the Nelson batholith. The Comstock-Silver Cup quartz vein follows a strong fault striking north 35 degrees to 55 degrees east, dipping 35 degrees to 55 degrees southeast. Galena-sphalerite and minor tetrahedrite occur in the shear. Parallel veins occur on both sides of the main vein. East-striking lamprophyre and quartz intersect the veins.

WORK DONE: Road building and repair, 4.8 metres; airborne electromagnetic survey and airborne radiometric survey, 95 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 41; Assessment Report 8583; Mineral Inventory 82F/NW-77.

BLACK BEAR, LAST CHANCE (Fig. E-1, NTS 82, No. 176)

LOCATION: Lat. 49° 55' Long. 117° 04' (82F/14E)
SLOCAN M.D. Seventeen kilometres west of Kaslo, at the junction of Keen Creek and Carlyle Creek.

CLAIMS: MANHATTAN (Lot 4540), MASTADON (Lot 4902), LAST CHANCE (Lot 12853), BLACK BEAR (Lot 10783), CHANCE 1 to 5 (Lots 1421 to 1425).

OWNER: DAVID MINERALS LTD., 1016, 475 Howe Street, Vancouver V6C 2B3.

METALS: Silver, lead, zinc, (gold, cadmium).

DESCRIPTION: Sulphide mineralization occurs as pods of medium to fine-grained pyrite, sphalerite, and galena along a complex shear zone which strikes northeast and dips steeply to the southeast. The shear forms a contact between sedimentary rocks of the Slocan series on the west and an apophyses of the Nelson batholith on the east.

WORK DONE: Underground development, drifting 35.1 metres by 1.5 metres by 1.5 metres, on Chance 1; and raising, 29.4 metres by 1.2 metres by 1.5 metres, on Last Chance.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1926, p. 449; Mineral Inventory 82F/NW-92.

FLINT, MARTIN, GRANITE KING (Fig. E-1, NTS 82, No. 170)

LOCATION: Lat. 49° 55′ Long. 117° 06′ (82F/14E)
SLOCAN M.D. Fifteen kilometres west of Kaslo, on the east flank of the south slope of Mount Carlyle.

CLAIMS: MARTIN, MARTIN NO. 1, FLINT 2 to 7, SPRUCE 1 to 4, CARLYLE (9 units), STARS AND STRIPES (Lot 4899), LIBERTY (Lot 4900), SIXTEEN TO ONE (Lot 4901), GRANITE KING (Lot 4538), GREY EAGLE (Lot 4539).

OWNER: DENVER SILVER INC., Ninth Floor, 1155 West Hastings Street, Vancouver V6E 3N6; mailing address, Box 68, New Denver V0G 1S0.

METALS: Silver, lead, zinc, gold.

DESCRIPTION: The property is underlain by massive hornblende granite or granodiorite porphyry of the Nelson batholith. Argentiferous galena, sphalerite, chalcopyrite, pyrite, and quartz carbonate occur in steeply dipping fissure veins. Old workings include shipping of 398 tons of ore from the Martin, Granite King, and Flint veins.

WORK DONE: 1979 – geological mapping, 1:2500; and sampling, covering all claims; 1980 – drifting, 55 metres; and sampling, on Martin; road building, 250 metres, on Martin and Martin 1; geological mapping, on Stars and Stripes, Liberty, and Sixteen to One; geochemical survey, on Flint 5-7, Martin 1, Spruce 1-4.

REFERENCES: Assessment Report 7950; Mineral Inventory 82F/NW-82, 83, 84.

COMSTOCK, VIRGINIA (Fig. E-1, NTS 82, No. 175)

LOCATION: Lat. 49° 55′ Long. 117° 09′ (82F/14E)
SLOCAN M.D. Approximately 7.5 kilometres south-southeast of Sandon, with Long Creek and its tributaries flowing through the eastern part of the property.

CLAIMS: LINDSAY 1 (16 units), LINDSAY 2 (20 units), LINDSAY 3 (20 units), LINDSAY 4 (15 units), LINDSAY 5 (20 units).

OWNER: CANFIC SILVER MINES LTD., 1090, 1090 West Georgia Street, Vancouver V6E 3V7.

METALS: Silver, lead.

WORK DONE: Ground electromagnetic survey, 17 kilometres; and geochemical survey, 680 soil samples analysed for silver, lead, and zinc, on Lindsay 1-5.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1948, p. 141; Assessment Report 9433; Mineral Inventory 82F/NW-80.

DELORAINE (Fig. E-1, NTS 82, No. 173)

LOCATION: Lat. 49° 57′ Long. 117° 12′ (82F/14E)
SLOCAN M.D. Approximately 2 kilometres south-southeast from Sandon.

CLAIMS: DELORAINE (Lot 3156), JAZMINE.

OWNERS: G. Bennett and P. Harker.

OPERATOR: L. B. GOLDSMITH, Box 29, Silverton.

DESCRIPTION: The property is underlain by Triassic-Jurassic Slocan argillite. Three sets of fractures with limonite staining have attitudes of 020 degrees, 070 degrees east to vertical; 080 degrees, 65.5 degrees; 160 degrees, 70 degrees east.

WORK DONE: Geochemical survey, 61 soil samples analysed for silver and lead, covering both claims.

REFERENCE: Assessment Report 8871.

GREY COPPER, GOODENOUGH (Fig. E-1, NTS 82, No. 169)

LOCATION: Lat. 49° 59.2' Long. 117° 11.6' (82F/14E)
SLOCAN M.D. Thirteen kilometres east of New Denver, 3 kilometres northeast of Sandon, on the south slope of Reco Mountain.

CLAIMS: GOODENOUGH (Lot 581), GREY COPPER (Lot 580), PURCELL (Lot 849), RAWDON (Lot 855), IDAHO NO. 2 (Lot 1013), SUNRISE NO. 4 (Lot 4562), LINK 1 and 2, CHAMBERS Fraction 1, GREY COPPER Fraction 1, TEXAS Fraction 1.

OWNER: SIPALD RESOURCES LTD., Box 989, Kaslo V0G 1M0.

METALS: Silver, lead, zinc, cadmium.

DESCRIPTION: Slates and fissile, thinly banded argillites of the Slocan Group predominate on the Purcell Group. Minor massive quartzitic and argillaceous members in addition to several narrow limestone beds are in evidence. Mineralization occurs predominantly as high-grade galena and/or zinc, with silver values, generally as narrow zones within the lode structures.

WORK DONE: Geological mapping, Grey Copper, Purcell, Idaho No. 2; electromagnetic survey and drifting, 30 metres, on Grey Copper; opening adits and retimbering portals, road building, 2 kilometres, on Purcell and Idaho No. 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 51; Mineral Inventory 82F/NW-33, 230.

BLUEBIRD (Fig. E-1, NTS 82, No. 168)

LOCATION: Lat. 49° 59.4' Long. 117° 11' (82F/14E)
SLOCAN M.D. One kilometre northeast of Cody, on the south slope of Reco Mountain.

CLAIMS: BLUEBIRD (Lot 540), STRANGER (Lot 512), DUNEDIN (Lot 1853), EGALITE (Lot 3103), FAUSTINA (Lot 3102), ALBATROSS FR. (Lot 10063), ADA FR. (Lot 10064), EDSI 1, EDSI 2, STRANGER FR. 1, STRANGER FR. 2.

OWNER: Alsi Holdings Ltd.

OPERATORS: G. SIPOS and ALSI HOLDINGS LTD., Box 818, Kaslo V0G 1M0.

METALS: Silver, lead, zinc, cadmium.

DESCRIPTION: Slates and fissile, thinly banded argillites of the Slocan Group predominate on the Bluebird claim. Minor massive quartzitic and argillaceous members in addition to several narrow limestone beds are in evidence. Mineralization occurs predominantly as high-grade galena and/or zinc, with silver values, generally as narrow zones within the lode structures.

WORK DONE: Road building, 3 kilometres, on Stranger and Bluebird; stripping, approximately 200 square metres; and prospecting, on Bluebird.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 51; Mineral Inventory 82F/NW-34.

HOTSHOT (Fig. E-1, NTS 82, No. 198)

LOCATION: Lat. 49° 46′ Long. 116° 50′ (82F/15W)
SLOCAN M.D. Immediately east of Riondel, approximately 20.3 kilometres southeast of Mount Buchanan on the eastern coast of Kootenay Lake with Hendryx Creek cutting through the property.

CLAIM: SANDY 1 (8 units).

OWNER: Gerhardi Holdings Ltd.

OPERATORS: **MADISON OILS LTD. and ELTRON SECURITY SYSTEMS LTD., 508, 630 Eighth Avenue SW, Calgary, Alberta.**

METALS: Lead, zinc.

DESCRIPTION: The area of the claim covers different rock types of the Index Formation: hornblende, gneiss, and amphibolite in the west changing to calcite marble with layers of calc-silicate, amphibole, and schist to calc-silicate gneiss with layers of amphibolite, schist, and marble in the east. Schists are cut by northwest-striking, northeast-dipping veins carrying galena, sphalerite, pyrite, and ruby silver.

WORK DONE: Linecutting, ground electromagnetic survey, and ground magnetometer survey, 9.8 kilometres, on Sandy 1.

REFERENCES: *Geol. Surv., Canada*, Mem. 228, p. 81; Assessment Report 8764; Mineral Inventory 82F/NE-86.

VERNA, WOODBURY CREEK (Fig. E-1, NTS 82, No. 197)

LOCATION: Lat. 49° 47′ Long. 116° 55′ (82F/15W)
SLOCAN M.D. Five kilometres north of Ainsworth on Woodbury Creek, immediately north of Lendrum Creek.

CLAIMS: VERNA, DOROTHY 1 to 3, DD Fraction, ALMA, ALVA AND EVA , DIXIE LU.

OWNERS: Cascadia Resources Ltd. and J. Hale.

OPERATOR: CASCADIA RESOURCES LTD., 1127, 510 West Hastings Street, Vancouver.

METALS: Lead, zinc, silver, (gold, cadmium, mercury).

DESCRIPTION: The property lies in an arc of mica and hornblende schists, limestones, marbles, and quartzites with northerly foliation and moderate dips to the west. Faults run parallel to the foliation. These rocks have been intruded by the Nelson batholith and numerous granitic dykes and sills. Galena, sphalerite, pyrite, pyrrhotite, and chalcopyrite with values in gold, silver, cadmium, and mercury occur in quartz and calcite veins and veinlets. The area has supported many producers and is known as the Ainsworth Camp.

WORK DONE: 1979 – linecutting, 15 kilometres, and geochemical survey, 629 soil samples analysed for lead, zinc, silver, and copper, on Dorothy 1-3, Verna, Dixie Lu, Alma, and Alva and Eva; 1980 – road repairs, approximately 2 kilometres, on Alma and Alva and Eva.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 53; 1978, pp. E 65, E 66; Bull. 53, pp. 115-118; Assessment Reports 6582, 8050; Mineral Inventory 82F/NE-5, 144, 153.

SILVER COIN (Fig. E-1, NTS 82, No. 196)

LOCATION: Lat. 49° 48.5′ Long. 116° 58′ (82F/15W)
SLOCAN M.D. Approximately 9 kilometres west-northwest of Riondel, with Woodbury Creek flowing through the most southerly part of the property.

CLAIMS: COIN 1 to 4, KING 1 (18 units), QUEEN 1 (18 units).

OWNER: Mrs. E. Carter.

OPERATOR: LACANA MINING CORP., 312, 409 Granville Street, Vancouver V6C 1T2.

METALS: Silver, lead, zinc.

DESCRIPTION: The property is underlain by argillaceous and limy Slocan sedimentary rocks where they are in contact with basal Kaslo volcanic rocks. The sedimentary rocks are cut by ultramafic dykes. A shear zone traverses northward across the west limb of an anticline, trending toward its crest. The hangingwall of the shear is calcareous argillite, the footwall a chert breccia. Mineralization is quartz, galena, sphalerite, chalcopyrite, azurite, malachite, hydrozincite, and native silver.

WORK DONE: 1979 – geological mapping, 1:50 000; ground electromagnetic survey and ground magnetometer survey, covering all claims; 1980 – geological mapping, 1:1250; ground magnetometer survey, 8 kilometres; ground electromagnetic survey, 3 kilometres, and geochemical survey, 623 soil and 153 rock samples analysed for lead, zinc, and silver, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1938, p. A 35; 1939, p. 38; 1940, pp. 25, 81; 1946, pp. 35, 181; Assessment Reports 8807, 9124; Mineral Inventory 82F/NE-3.

ROSE PASS (Fig. E-1, NTS 82, No. 194)

LOCATION: Lat. 49° 47' Long. 116° 37' (82F/15E)
FORT STEELE M.D. Approximately 18.5 kilometres northeast of the townsite of Crawford Bay, lying 500 metres northwest of the junction of Lapointe Creek and St. Mary Creek.

CLAIM: KJ (9 units).

OWNER: GERHARDI HOLDINGS LTD., 280 Baker Street, Nelson.

METALS: Tin, silver, lead, zinc, copper.

DESCRIPTION: The claims are underlain by Toby conglomerate, Horsethief Creek argillaceous quartzite, limestone, arkose and pebble conglomerate, and Mount Nelson laminated argillite, magnesium limestone, and quartzite. A quartz vein in argillite with granite porphyry carries galena and sphalerite.

WORK DONE: Geological mapping, 1:1000; and geochemical survey, 21 rock samples analysed for lead, zinc, silver, gold, and tin, covering KJ.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1946, p. 149; Assessment Report 8915; Mineral Inventory 82F/NE-111.

ROSE (Fig. E-1, NTS 82, No. 193)

LOCATION: Lat. 49° 47' Long. 116° 40' (82F/15E)
SLOCAN M.D. Approximately 20 kilometres northeast of Crawford Bay off Kootenay Lake, with Crawford Creek cutting through the western section of the property.

CLAIMS: ROSE 1 (20 units), ROSE 2 (12 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

DESCRIPTION: The claims are underlain by Upper Proterozoic clastic sedimentary rocks of the Horsethief Creek and Hamill Groups: light grey phyllites, muscovite-plagioclase-andalusite-chlorite schists, quartz pebble conglomerate, and light grey quartzite. They strike north-northeast, dip steeply east, and are 'younging' westward. They are intruded by a Cretaceous quartz-monzonite stock.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 617 soil and 8 silt samples analysed for copper, lead, zinc, manganese, tungsten, and molybdenite, covering both claims.

REFERENCE: Assessment Report 8442.

LOKI (Fig. E-1, NTS 82, No. 192)

LOCATION: Lat. 49° 49.5 Long. 116° 44' (82F/15E)
SLOCAN M.D. Twelve kilometres northeast of Riondel, between the headwaters of Loki and Bernard Creeks.

CLAIM: LOKI 1 (20 units).

OWNER: Duval Mining Ltd.

OPERATOR: DUVAL INTERNATIONAL INC., 844 West Hastings Street, Vancouver, V6C 1C8.

METAL: (Molybdenum).

DESCRIPTION: Metasedimentary rocks of the Hamill Group (Lower Cambrian) are intruded by biotite-quartz monzonite of the Fry Creek batholith (Upper Cretaceous). Molybdenite mineralization is related to a greisen vein system within the Fry Creek intrusive rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical surveys, 186 soil and silt samples and 63 rock samples analysed for molybdenum, silver, tungsten, fluorine, and tin and 64 rock, silt, and soil samples analysed for copper, lead, zinc, molybdenum, manganese, fluorine, and tungsten, covering all claims.

REFERENCES: Mineral Inventory 82F/NE-85; Assessment Report 8414.

GREEK (Fig. E-1, NTS 82, No. 190)

LOCATION: Lat. 49° 54' Long. 116° 41' (82F/15E)
SLOCAN M.D. Sixteen kilometres east of Kaslo between the head of Campbell Creek and the head of Powder Creek.

CLAIM: GREEK 1 (20 units).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by Cambrian to Middle Ordovician phyllites and quartzites of the Hamill series into which Lower Cretaceous granodiorite and pegmatite rocks have intruded. Minor molybdenum is found associated with the pegmatite.

WORK DONE: Geochemical survey, 24 rock chip and 105 soil samples analysed for molybdenum, copper, lead, and zinc, on Greek.

LAUREL (Fig. E-1, NTS 82, No. 195)

LOCATION: Lat. 49° 54' Long. 116° 44' (82F/15E)
SLOCAN M.D. Approximately 14 kilometres due east of the town of Kaslo at the headwaters of Powder Creek.

CLAIM: LAUREL 1 (20 units).

OWNER: D. J. Gallagher.

OPERATOR: PEARSON GALLAGHER LTD., 280 Baker Street, Nelson.

METAL: Molybdenum.

DESCRIPTION: Molybdenite rosettes and disseminations occur in pegmatitic phases of a multi-phase granodioritic to quartz monzonitic intrusive rock.

WORK DONE: Geological mapping, 1:2500.
REFERENCES: Mineral Inventory 82F/NE-127; Assessment Report 9599.

PCW (Fig. E-1, NTS 82, No. 191)

LOCATION: Lat. 49° 55′ Long. 116° 43.5′ (82F/15E)
SLOCAN M.D. Approximately 4 kilometres south of Campbell Creek, with Powder Creek passing through the southwest corner of the claim.
CLAIMS: PCW 1 (20 units), PCW 2 (10 units).
OWNER: KENNCO EXPLORATIONS, (WESTERN) LTD., 730, 505 Burrard Street, Vancouver V7X 1M4.
DESCRIPTION: The property is underlain by quartzites, slates, and phyllites of the Hamill Group which are intruded by fresh Cretaceous granodiorite. In the eastern part of the property the granodiorite is in contact with biotite muscovite schists and gneisses and micaceous quartzite. Randomly oriented and relatively small quartz veins occur here.
WORK DONE: Geological mapping, 1:10 000; and geochemical surveys, 26 silt and 3 soil samples analysed for molybdenum, copper, lead, zinc, tin, and tungsten and 4 rock samples analysed for copper, molybdenum, tin, and tungsten, on both claims.
REFERENCE: Assessment Report 8499.

DAN (Fig. E-1, NTS 82, No. 189)

LOCATION: Lat. 49° 57′ Long. 116° 38′ (82F/15E)
SLOCAN M.D. Eighteen kilometres east of Kaslo, on the north side of Campbell Creek.
CLAIMS: DAN 1 (20 units), DAN 2 (8 units), DAN 3 (6 units).
OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION: The property is underlain by a granitic granodiorite intrusion of Early Cretaceous age.
WORK DONE: Geochemical survey, 130 soil samples analysed for copper, molybdenum, lead, and zinc, on Dan 1 and 2.

HILO, VULCAN (Fig. E-1, NTS 82, No. 199)

LOCATION: Lat. 49° 48′ Long. 116° 20′ (82F/16W)
FORT STEELE M.D. Twenty-six kilometres northwest of Kimberley, on Mount Patrick.
CLAIMS: VULCAN 1 (15 units), VULCAN 2 (10 units), VULCAN 3 (15 units).
OWNER: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.
METALS: Silver, lead, zinc.
DESCRIPTION: The property is underlain by quartzitic wacke and gabbroic rocks.
WORK DONE: Linecutting, 5 kilometres; and electromagnetic survey, 5 kilometres on Vulcan 1 and 2.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 73; GEM, 1974, p. 78; Assessment Reports 3300, 4713, 7689; Mineral Inventory 82F/NE-93, 102, 103, 104.

HRPL (Fig. E-1, NTS 82, No. 229)

LOCATION: Lat. 50° 00′ Long. 116° 15′ (82K/1E, 1W; 82F/16W)
Report on this property in 82K/1E.

FERNIE 82G

COMMERCE (Fig. E-1, NTS 82, No. 200)

LOCATION: Lat. 49° 11′ Long. 114° 22′ (82G/1W)
FORT STEELE M.D. Six kilometres east of the Flathead River, covering Commerce Peak between Commerce Creek and Sage Creek.

CLAIMS: COMMERCE 1 to 16, 19 to 39, 41 to 48, 69 to 71, 75 to 78, 83, 84.

OWNER: KINTLA EXPLORATIONS LTD., Box 763, Cardston, Alberta T0K 0K0.

METAL: Copper.

DESCRIPTION: Tightly folded discontinuous, pyritic dark shales, dolomite, sandstone, and Purcell lava rocks of the Appekunny, Altyn, Phillips, Grinnell, Siyeh, Sheppard, and Gateway Formations (Proterozoic) are intruded by diorite and diabase sills and dykes. Grinnell sandstone contains primary copper mineralization. Diorite sills and marble rocks contain pyrite, pyrrhotite, chalcopyrite, and gold values where they intrude Siyeh shale and Purcell lava.

WORK DONE: 1979 – geological mapping, 1:4800, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E55; 1978, p. E66; 1979, p. 76; Assessment Reports 4535, 5070, 5560, 5938, 6398, 7567, 8301; Mineral Inventory 82G/SE-39 to 43.

MIDWAY (Fig. E-1, NTS 82, No. 207)

LOCATION: Lat. 49° 14′ Long. 115° 53′ (82G/4W)
FORT STEELE M.D. The property is about 32 kilometres south-southwest of Cranbrook, on the north side of Moyie River valley approximately 4 kilometres southwest of Moyie.

CLAIMS: GORDON, KELLY, MIDWAY 1 to 3, JAN, GOLD (12 units).

OWNERS: M. Leask, J. Caldwell, and R. Blusson.

OPERATOR: SEA GOLD OIL CORP., 930, 625 Howe Street, Vancouver.

METALS: Gold, silver, zinc, lead, copper, tin.

DESCRIPTION: Quartzites and argillaceous quartzites of the Aldridge Formation (Precambrian) dip lightly to the northeast. The quartzites are intersected by an easterly dipping quartz vein that swells up to 3 metres in width. Parts of the quartz vein contain abundant pyrite and minor amounts of arsenopyrite, galena, sphalerite, and chalcopyrite with gold and silver values.

WORK DONE: Underground development; linecutting, 6 300 metres; road building, 1 kilometre; underground percussion drilling, 6 holes, totalling 25.6 metres; and 98 channel samples analysed for gold and silver, on Jan and Midway 3.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1962, p. 84; 1963, p. 80; 1964, p. 132; 1965, p. 198; 1966, p. 241; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 79; Assessment Reports 5049, 8431; Mineral Inventory 82G/SW-21.

YAHK (Fig. E-1, NTS 82, No. 203)

LOCATION: Lat. 59° 07' Long. 115° 58' (82F/1E; 82G/4W)
Report on this property in section 82F/1E.

MAR (Fig. E-1, NTS 82, No. 133)

LOCATION: Lat. 49° 22' Long. 116° 00' (82G/5W)
FORT STEELE M.D. Twenty-five kilometres north of Ryan on McNeil Creek.

CLAIM: MAR 3 (20 units).

OPERATOR: ST. EUGENE MINING CORP. LTD., 700, 1112 West Pender Street, Vancouver V6E 2S1.

DESCRIPTION: Quartzites and argillites of the Lower to Middle Aldridge Formation occur on the claim.

WORK DONE: Linecutting, 700 metres, on Mar 3.

STEEPLES, CEDAR (Fig. E-1, NTS 82, No. 208)

LOCATION: Lat. 49° 15'-35' Long. 115° 04'–116e 00' (82G/6, 11W)
FORT STEELE M.D. The centre of this property is about 15 kilometres west-southwest of Fernie. The claims extend from Hungary Peak in the north, south to Sheep Mountain, and from Peckhams Lake on the west side to the headwaters of McDermid Creek on the east side.

CLAIMS: STEEPLES 1 to 30, CEDAR 1 to 14, DOGWOOD 1 to 20, BALSAM 1 to 20, ELDERBERRY 1 to 18, ELDERBERRY SOUTH 1 to 4 and 6, FIR 1, ASPEN 1 to 11, EMPIRE (Lot 3540), STRATHCONA (Lot 11812), BONANZA 20 to 23, 38, 40, LIZ 6, 7, 10, and 12 Fractions, JUNE 2 to 4, and 6, Mineral Lease M-69.

OWNER: R. H. STANFIELD, 260 Three Calgary Place, 355 Fourth Avenue SW, Calgary, Alberta T2P 0J1.

METALS: Copper, lead, silver, gold, zinc.

DESCRIPTION: Vein and replacement zones of mineralization, chiefly galena, chalcopyrite, pyrite, sphalerite, hematite, quartz, calcite, and siderite, occur in Aldridge and Creston quartzite, argillaceous quartzite, and argillite. Major and minor faulting and very minor intrusions are present.

WORK DONE: 1979 – linecutting, 134 kilometres, ground electromagnetic survey, 134 kilometres, on Cedar 3, 5, 9, 11, 13 and Dogwood 10, 12; ground magnetometer survey, 38 kilometres, on Cedar 3 and 5 and Dogwood 10 and 12; diamond drilling, 1 hole, totalling 15 metres, on Cedar 13; and churn drilling, 2 holes, totalling 27 metres, on Cedar 1; diamond drilling, 1 BQ hole, totalling 30 metres and 1 BQW hole, totalling 584.6 metres, on Steeples 2; 1980 – site preparation, Elderberry 13; electromagnetic survey, VLF–EM, 42.85 kilometres, on Cedar 9, 11, 13, 3, and 5 and Dogwood 10 and 12; churn drilling, 3 holes, totalling 57 metres, on Cedar 1; diamond drilling, 4 holes, totalling 3 934.71 metres, on Dogwood 12 and 14, Cedar 7 and 8, Aspen 9, Cedar 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 68; GEM, 1976, pp. 44, 45; Assessment Reports 3439, 5900, 5901, 5904, 5905, 5906, 5942, 7086, 8014, 8137, 8531, 8584, 8695, 9486; Mineral Inventory 82G/NW-2, 6, 28, 44, 72 and 82G/SW-13-18, 26, 40, 47, 48.

ZIP (Fig. E-1, NTS 82, No. 209)

LOCATION: Lat. 49° 16′ Long. 114° 36′ (82G/7E)
FORT STEELE M.D. Approximately 10 kilometres south-southeast of Flathead; Norris Creek flows through the property and Harvey Creek follows the most southerly border of the property.
CLAIM: ZIP (12 units).
OWNER: FIRST NUCLEAR CORP., Suite 1210, 10045 – 111th Street, Edmonton, Alberta T5K 1K4.
DESCRIPTION: The property is underlain by sedimentary rocks ranging from Mississippian to Jurassic. Phosphate mineralization occurs at the geological horizon of the base of the Fernie black shale and the underlying Spray River siltstone.
WORK DONE: Road building, 1.5 kilometres; trenching, 0.1 kilometre; and sampling, 62 samples analysed for uranium, vanadium, and P_2O_5, on Zip.
REFERENCE: Assessment Report 9142.

LEO (DIBBLE), VICTOR (Fig. E-1, NTS 82, No. 210)

LOCATION: Lat. 49° 36′ Long. 115° 27′ (82G/11W)
FORT STEELE M.D. Twenty-eight kilometres easterly of Cranbrook, covering the headwaters of Horseshoe Creek and Mause Creek.
CLAIMS: PIX I and II, LYNX (8 units), BOX (20 units), LAST CHANCE Fraction, BEAVER Fraction, FIRST EXT. OF LAST CHANCE, FOSTER, EMERALD, RICHMOND HILL, AX (20 units).
OWNER: G. H. BABCOCK, 7249 Elmhurst Street, Vancouver V5S 2X5.
METALS: Lead, zinc.
DESCRIPTION: The property is underlain by Middle Proterozoic Purcell Supergroup sedimentary rocks, Aldridge siltites, argillites, quartzites, and Creston siltites and quartzites, grading upward into Kitchener dolomitic siltites. The property is crossed by major faults trending east-west and northeast-southwest. Mineralization is quartz-pyrite-galena in three veins.
WORK DONE: Geological mapping, 1:1250; ground electromagnetic survey, 1.7 kilometres; geochemcial surveys, 39 silt, 17 rock, and 47 soil samples analysed for copper, lead, zinc, silver, and gold, covering all claims.
REFERENCES: *B.C. Minsitry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 348; Assessment Report 8864; Mineral Inventory 82G/NW-3, 4.

KOOTENAY KING (Fig. E-1, NTS 82, No. 211)

LOCATION: Lat. 49° 44′ Long. 115° 36′ (82G/12E)
FORT STEELE M.D. Approximately 13.5 kilometres north-northeast of Fort Steele. Victoria Creek cuts through the southern end of claim group with Lakit Mountain lying near the centre of the group.
CLAIMS: KING 1 (15 units), KK 1 to 4, KK 9.
OWNER: COMINCO LTD., 2450 Cranbrook Street North, Cranbrook V1C 3T4.
METALS: Silver, gold, lead, zinc, cadmium.
DESCRIPTION: The claims are underlain by fine-grained siliciclastic rocks of the Helikian age Aldridge Formation. The Aldridge here is subdivided into four subdivisions which upward are: mudstone to siltstone; thick-bedded siltstones and marly siltstones; very thick-bedded quartz sandstone; and thin-bedded mudstone to siltstone. Felsite and syenite porphyry occur throughout, also greenstone dykes and sills.

WORK DONE: Geological mapping, 1:10 000, covering King 1 and KK 1-4.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 81; Assessment Reports 3324, 3325, 5245, 8455; Mineral Inventory 82G/NW-9.

TRY AGAIN (Fig. E-1, NTS 82, No. 212)

LOCATION: Lat. 49° 44' Long. 115° 37.5' (82G/12E)
FORT STEELE M.D. Approximately 13.5 kilometres due north of Fort Steele on Herbert Creek, 2 kilometres southwest of Mount Bill Nye.
CLAIM: HERB (4 units).
OWNER: ASARCO EXPLORATION CO. OF CANADA LTD., 504, 535 Thurlow Street, Vancouver.
METAL: (Copper).
DESCRIPTION: The claim straddles the Fort Steele Formation (Precambrian) and the Aldridge Formation laminated siltstone, dolomitic siltstone, and thin-bedded impure quartzite. The structure is a recumbent anticline cut by a normal fault. Sulphide minerals appear to be distributed along faults and cross-fractures in zones of brecciation replaced by quartz.
WORK DONE: 1979 and 1980 – prospecting, covering Herb.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Prelim. Map 36; Assessment Report 8157; Mineral Inventory 82G/NW-17.

QUARK (Fig. E-1, NTS 82, No. 214)

LOCATION: Lat. 49° 37' Long. 115° 57' (82G/12W)
FORT STEELE M.D. Approximately 21 kilometres northwest of Cranbrook, with tributaries from St. Mary River flowing into the property.
CLAIMS: QUARK 1 (6 units), QUARK 2 (16 units).
OWNER: COMINCO LTD., Box 2000, Kimberley V1A 2G3.
WORK DONE: Ground electromagnetic surveys, UTEM, 0.7 kilometre and HLEM, 12.4 kilometres, covering both claims.
REFERENCE: Assessment Report 9127.

GOLF (Fig. E-1, NTS 82, No. 213)

LOCATION: Lat. 49° 38' Long. 115° 55' (82G/12W)
FORT STEELE M.D. Adjoining the Sullivan mine, to the east and south of Marysville on both sides of Highway 95, immediately south of Lone Pine Hill.
CLAIMS: GOLF 3 and FAL 5, 6, and 7 (6 units each), FAL 11 (8 units), MAR 7, 9 and 11 (1 unit each).
OWNER: COMINCO LTD., Box 2000, Kimberley V1A 2G3.
WORK DONE: 1979 – linecutting, 12.4 kilometres; and ground electromagnetic survey, 8.5 kilometres, covering Golf 3 and Fal 5.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. 70; Assessment Report 8510.

SULLIVAN MINE (Fig. E-1, NTS 82, No. 141)

LOCATION: Lat. 49° 42' Long. 116° 00' (82F/9E; 82G/12W)
Report on this property in 82F/9E.

ESTELLA MINE (Fig. E-1, NTS 82, No. 217)

LOCATION: Lat. 49° 47′ Long. 115° 35′ (82G/13E)
FORT STEELE M.D. Approximately 37 kilometres north of Cranbrook and 13 kilometres east of Wasa.

CLAIMS: BETTY, ANN, TODD, JENNIE, DOROTHY, RUTH, ESTELLA (Lot 6412), ROVER (Lot 6413), SKYLARK (Lot 6579).

OWNER: GM RESOURCES LTD., 900, 837 West Hastings Street, Vancouver V6C 1B6.

METALS: Silver, lead, zinc.

DESCRIPTION: Fort Steele Formation here is 300 metres of ortho-quartzites and 150 metres of black argillites. This impure limestone horizon is thought to be one of three limestone horizons in the vicinity of the Sullivan mine. The sulphide horizon on the Estella property appears to be stratabound ore and has characteristics of the 'Hu ore' at the Sullivan mine.

WORK DONE: Geological mapping, 1:480, covering Betty and Ann.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1951, pp. 186-190; 1966, p. 241; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 472; Assessment Reports 68, 8835; Mineral Inventory 82G/NW-8.

APRIL (Fig. E-1, NTS 82, No. 215)

LOCATION: Lat. 49° 49′ Long. 115° 31′ (82G/13E, 14W)
FORT STEELE M.D. Twenty-four kilometres north-northwest of Fort Steele, on the headwaters of Wild Horse River and Nicol Creek.

CLAIMS: APRIL 1 and 2 (20 units each), APRIL 3 (12 units), WENDY.

OWNER: DEKALB MINING CORP., 630 Sixth Avenue SW., Calgary, Alberta T2P 0S8.

DESCRIPTION: The claims are underlain by dolomite and clastic rocks of the Gateway Formation (Lower Paleozoic) and quartz monzonite intrusive rocks.

WORK DONE: Prospecting; linecutting, 48 kilometres; soil sampling; and geological mapping, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 79; Assessment Report 7896.

SUPER (Fig. E-1, NTS 82, No. 220)

LOCATION: Lat. 50° 00′ Long. 115° 15′ (82G/14; 82J/3)
GOLDEN M.D. Approximately 24 kilometres southeast of Whiteswan Lake, 4 kilometres north of Mount Haynes.

CLAIMS: CHRISTINA 1 (6 units), SUPER 1 (15 units), CHEEKY 10 (6 units).

OWNER: F. Moore.

OPERATOR: C. F. MINERAL RESEARCH LTD., 263 Lake Avenue, Kelowna V1Y 5W6.

DESCRIPTION: The property is underlain by north-northwest-trending isoclinal folded dolomites, limestones, and quartz sandstones of the Upper Ordovician and Lower Silurian Beaverfoot and Mount Wilson Formations. Some major north-northwest subvertical fractures cut the claims and two basic dykes occur in them on the Super 1 claim. Small basic diatremes cut the Laramide-controlled structures.

WORK DONE: Airborne electromagnetic survey; and sampling, 8 bulk samples taken, on all claims.

REFERENCE: Assessment Report 8836.

COPPER, ZINC (Fig. E-1, NTS 82, No. 222)

LOCATION: Lat. 50° 10′ Long. 115° 14′ (82J/3E)
Lat. 49° 58′ Long. 115° 18′ (82G/14W)
Report on this property in 82J/3E.

CANAL FLATS 82J

BONCH (Fig. E-1, NTS 82, No. 221)

LOCATION: Lat. 50° 05′ Long. 115° 00′ (82J/2W, 3E)
FORT STEELE M.D. Approximately 30 kilometres north of Natal, west of Elk River, straddling Crossing Creek.

CLAIMS: BONCH (20 units), BONCH TOO (20 units), CONNIE (20 units), TARA LEE (20 units), SUNDAY (16 units), DYNO FR., KAY 1 to 5.

OWNER: C. FIPKE, 263 Lake Avenue, Kelowna.

DESCRIPTION: Tightly folded and thrust faulted silty dolomites, cherts, phosphorites, and sandstones of the Rocky Mountain Group (Permian) are intruded by kimberlitic diatremes.

WORK DONE: Resistivity survey, airborne magnetometer survey, and airborne electromagnetic survey, 80 kilometres; and geochemical survey, 72 soil samples analysed for copper and lead, covering all claims.

REFERENCE: Assessment Report 8761.

SUPER (Fig. E-1, NTS 82, No. 220)

LOCATION: Lat. 50° 00′ Long. 115° 15′ (82G/14; 82J/3)
Report on this property in 82G/14.

COPPER, ZINC (Fig. E-1, NTS 82, No. 222)

LOCATION: Lat. 50° 10′ Long. 115° 14′ (82J/3E)
Lat. 49° 58′ Long. 115° 18′ (82G/14W)
GOLDEN M.D. The Copper claim is 80 kilometres northeast of Cranbrook, on Barr Creek. The Zinc claim is 24 kilometres south-southwest of the Copper claim.

CLAIMS: COPPER (4 units), ZINC (2 units).

OWNER: Petra Gem Explorations Ltd.

OPERATOR: C. FIPKE, 263 Lake Avenue, Kelowna.

DESCRIPTION: The claims are underlain by pale green, sericite schists, phyllites, thin limy lenses, and intraformational breccias of the MacKay Group (Cambrian-Ordovician). Small serpentinized ultramafic dyke (?) and float rocks contain specks of chromite.

WORK DONE: Ground magnetometer survey, approximately 5 kilometres on Zinc and approximately 8 kilometres on Copper.

REFERENCE: Assessment Report 7879.

DINGBAT (Fig. E-1, NTS 82, No. 225)

LOCATION: Lat. 50° 38′ Long. 115° 35′ (82J/12E)
GOLDEN M.D. Thirty-three kilometres east-northeast of Radium Hot Springs on the west bank of the Albert River.

CLAIMS: ASH (20 units), BARBI (18 units), DINGBAT (20 units), CHESTER (20 units), BURB (20 units).

OWNER: C. FIPKE, 236 Lake Avenue, Kelowna V1Y 5W6.

DESCRIPTION: The area is underlain by the Middle Cambrian Chancellor Formation, pelitic phyllites, calcareous phyllites, and massive carbonates. The rocks are isoclinally folded in north-northwest arcs. Massive quartz-calcite veins, some both pyrite and chlorite, cut the sediments along north-northwest axial plane cleavages.

WORK DONE: Geological mapping, 1:22 000; and geochemical surveys, 30 silt and 600 rock samples analysed for tungsten, covering all claims.

REFERENCE: Assessment Report 9673.

LARDEAU 82K

HRPL (Fig. E-1, NTS 82, No. 229)

LOCATION: Lat. 50° 00′ Long. 116° 15′ (82K/1; 82F/16)
FORT STEELE M.D. Approximately 36 kilometres north-northwest of Kimberley; a large unnamed creek (just east of Alton Creek) runs north through claims into Findlay Creek.

CLAIMS: HRPL 1 to 11 (212 units).

OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver.

WORK DONE: Geochemical survey, 31 silt samples analysed for molybdenum, copper, zinc, lead, nickel, cobalt, silver, gold, uranium, tungsten, fluorine, and tin on HRPL 2-5.

REFERENCE: Assessment Report 8502.

ACE (Fig. E-1, NTS 82, No. 228)

LOCATION: Lat. 50° 01′ Long. 116° 11′ (82K/1E)
GOLDEN M.D. Forty-one kilometres south-southeast of Toby Creek, on the southerly headwaters of Doctor Creek.

CLAIMS: SAINT ANTHONY, SAINT ANTHONY A, SAINT ANTHONY X, SAINT ANTHONY Y, SAINT ANTHONY Z, SAINT ANTHONY O, PATIENCE, ECHO 1 and 2 (9 units each), ECHO 3 (6 units), ECHO 4 (4 units), ECHO 5 (18 units).

OWNER: COMINCO LTD., 200 Granville Square, Vancouver V6C 2R2.

METALS: Lead, zinc, silver.

DESCRIPTION: The claims are underlain by the Precambrian Aldridge Formation, consisting of quartzites, siltstones, and mudstones which have undergone a low greenschist grade of metamorphism. Gabbro sills of the Moyie intrusions occur within the Aldridge sedimentary rocks. Medium to coarse-grained, crosscutting, quartz-tourmaline-chlorite veins, occasionally with minor iron sulphide and galena, are common throughout Lower and Middle Aldridge stratigraphy. These veins are usually small and appear to be genetically related to diorite intrusions. Lead and zinc occur in two zones of chloritized breccia healed by sideritic dolomite and calcite. Scheelite occurs in fault-controlled muscovite, tourmaline, actinolite, and calcite veins.

WORK DONE: Road building, 5 kilometres, on Echo 1-3 and 5.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 62; GEM, 1973, pp. 86, 87; Assessment Reports 3287, 4705, 6413; Mineral Inventory 82K/SE-41, 53, 63.

RED ANGEL (Fig. E-1, NTS 82, No. 227)

LOCATION: Lat. 50° 09.5′ Long. 116° 02′ (82K/1E)
GOLDEN M.D. Sixty-three kilometres east of Argenta, 5 kilometres south of Whitetail Lake.
CLAIMS: RED ANGEL 1 and 2.
OWNER: J. KOMPERDO, Box 61, Lundbreck, Alberta T0K 1H0.
WORK DONE: Road building, approximately 100 metres; and stripping, 15 square metres, on both claims.

OURAY (Fig. E-1, NTS 82, No. 246)

LOCATION: Lat. 50° 01′ Long. 117° 15′ (82K/3)
SLOCAN M.D. Approximately 12 kilometres south-southeast from Rosebery, situated on Carpenter Creek.
CLAIMS: OURAY (Lot 3109), OURAY FR. (Lot 1017), NELLIE FR. (Lot 3108), CREEK SIDE (9 units).
OWNER: SAUDI PETROLEUM CORP., 911, 470 Granville Street, Vancouver.
DESCRIPTION: The property is underlain by sedimentary rocks of the Slocan series which have been intruded by dykes and small stocks related to the Nelson batholith. Mapping indicated a central dioritic stock enveloped by pelitic schists and sedimentary rocks.
WORK DONE: Ground electromagnetic survey, 9 kilometres, covering all claims.
REFERENCE: Assessment Report 8803.

ALAMO (Fig. E-1, NTS 82, No. 247)

LOCATION: Lat. 50° 02′ Long. 117° 15′ (82K/3)
SLOCAN M.D. Approximately 12 kilometres east of Rosebery (on Slocan Lake) and 6.5 kilometres east of New Denver, straddling Seaton Creek approximately 1 kilometre before its junction with Carpenter Creek.
CLAIM: ALAMO (18 units).
OWNER: KANAKA CREEK HOLDINGS LTD., 1850, 200 Granville Street, Vancouver.
DESCRIPTION: The property is underlain by argillite, slate, and minor interbedded quartzites of the Slocan series. The sedimentary rocks are intruded by dioritic dykes and cut by intersecting faults.
WORK DONE: Geological mapping, 1:64 000, 1:14 600, 1:32 000, 1:5000, covering Alamo.
REFERENCE: Assessment Report 8818.

EVENING STAR (Fig. E-1, NTS 82, No. 239)

LOCATION: Lat. 50° 04′ Long. 117° 15′ (82K/3)
SLOCAN M.D. The claims are situated on and east of Kane Creek, with O.K. Creek running through the property. Three Forks is about 6.5 kilometres south of O.K. Creek.
CLAIMS: DRYORE 1 and 2, EVENING STAR (Lot 1584), BELLE SMITH (Lot 3824), KEYSTONE (Lot 1585), KEYSTONE FR. (Lot 2179).

OWNER: METRO RESOURCE INC., 34840 McLeod Avenue, Abbotsford.
METALS: (Lead, silver, gold).
DESCRIPTION: Silicified pelitic rocks and quartzites of the Slocan series are intruded by dykes and small stocks of quartz diorite related to the Nelson batholith. Quartz veins within the sedimentary rocks contain galena with silver and gold values.
WORK DONE: Geochemical survey, 212 soil samples analysed for copper, lead, and zinc, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 75; Assessment Reports 7079, 8360.

OCEAN (Fig. E-1, NTS 82, No. 232)

LOCATION: Lat. 50° 00.3′ Long. 115° 14.5′ (82K/3E)
SLOCAN M.D. Three kilometres north-northwest of Sandon, 3 kilometres east of Three Forks.
CLAIMS: RECIPROCITY (Lot 1722), OCEAN (Lot 1723), LILLIAN NO. 4 (Lot 1724), INTERNATIONAL FR. (Lot 2834).
OWNER: M. McCrory.
OPERATOR: DENVER SILVER INC., Box 68, New Denver V0G 1S0.
METALS: Silver, lead, zinc.
DESCRIPTION: Argillaceous and carbonaceous sedimentary rocks of the Slocan series are cut by acid dykes and a small diorite stock. Mineralization consists of numerous fissures occasionally filled with calcite and siderite, with varying amounts of silver.
WORK DONE: Road building, 3 kilometres, on Ocean, Lillian No. 4, and Reciprocity; bulk samples of waste rock from dumps, on Reciprocity.
REFERENCES: Mineral Inventory 82K/SW-5; *Minister of Mines, B C.*, Ann. Rept., 1924, p. 367.

BIG BERTHA (Fig. E-1, NTS 82, No. 237)

LOCATION: Lat. 50° 01′ Long. 117° 11′ (82K/3E)
SLOCAN M.D. Approximately 6.3 kilometres directly west of the junction of Jardine Creek and Kaslo Creek.
CLAIM: BIG BERTHA (1 unit).
OWNER: G. M. Harker.
OPERATOR: L. B. GOLDSMITH, Box 29, Silverton.
DESCRIPTION: The property is underlain by shale and argillite of the Jurassic Slocan series.
WORK DONE: Linecutting, 0.8 kilometre; and geochemical survey, 18 soil samples analysed for lead, zinc, and silver.
REFERENCE: Assessment Report 8693.

HILLSIDE (Fig. E-1, NTS 82, No. 240)

LOCATION: Lat. 50° 02′ Long. 117° 10′ (82K/3E)
SLOCAN M.D. Approximately 1.2 kilometres south-southwest of Retallack and Stenson Creek, with Kaslo River flowing through the property.
CLAIMS: SARAH (20 units), BO (5 units), JODY (10 units), PEEPER (3 units).
OWNER: TRI–COUNTY RESOURCES LTD., 1258, 409 Granville Street, Vancouver V6C 1T2.
METALS: Lead, silver, copper.

DESCRIPTION: On the property the underlying rocks are those near the top of the basal shale unit of the Triassic Slocan Group. The basal unit consists essentially of thin-bedded grey to black shales, argillites, some limestone beds, and minor quartzites near the top. The unit is intruded by sills, dykes, and stocks of the Nelson rhyolite and quartz diorite. Extensive fault patterns trend west and northwest; bedding strikes northwest and dips northeast.

WORK DONE: Geochemical survey, 146 soil samples analysed for silver and zinc, on Peeper and Jody.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 74; Assessment Report 9659; Mineral Inventory 82K/SW-29.

CHARLESTON, WELLINGTON, MAYFLOWER (Fig. E-1, NTS 82, No. 233)

LOCATION: Lat. 50° 03′ Long. 117° 08′ (82K/3E)
SLOCAN M.D. Nineteen kilometres east-northeast of New Denver on Whitewater Creek, 2 kilometres from its junction with the Kaslo River.

CLAIMS: REVENUE, MAYFLOWER (Lot 2509), DEFENDER (Lot 2827), HOWARD (Lot 2828), KASLO (Lot 822), TETRA, GRIZZLY GOLD, GRIZZLY GOLD 1, LEO 1, LEMAC, LEMAC 1 and 2, COLORADO (Lot 1476), KINGSTON, COREAN, CHARLESTON (Lot 2321), KEYSTONE (Lot 1585), WELLINGTON (Lot 553), IC, SUNSET (Lot 1009), IVANHOE (Lot 743), OTTAWA, AY, HAZEL, METIS, BLUTCHER, HORSESHOE, RED FR. (Lot 14223), BLUE FR. (Lot 14224), TIGER 2.

OWNER: Ryan Exploration Co. Ltd.

OPERATOR: M. A. KAUFMAN, agent for Ryan Exploration Co. Ltd., East 10805 23rd Avenue, Spokane, Washington 99206, USA.

METALS: Lead, zinc, silver.

DESCRIPTION: Stratabound mineralization occurs in and near the contact of Slocan sedimentary rocks and Kaslo phyllites and schists. Tetrahedrite occurs regularly in quartz and siderite-filled fractures along this contact zone.

WORK DONE: Geological mapping; linecutting; and geochemical survey, 1900 samples analysed, on Revenue, Defender, Howard, Mayflower, Kaslo, Tetra, Grizzly Gold 1, Grizzly Gold, Leo 1, Lemac and Lemac 1 and 2; underground development, approximately 500 metres, on Colorado, Kingston, Corean, Charleston, and Keystone; trenching, 5 cubic metres, on Wellington, IC, Sunset, Ivanhoe, Ottawa, AY, Hazel, Metis, Blutcher, Horseshoe, Red Fr., Blue Fr., Tiger 2.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 253; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 44; 1977, p. E 63; 1978, p. E 75; Mineral Inventory 82K/SW-30, 31, 33, 78, 85, 137, 140.

SILVER DAY (Fig. E-1, NTS 82, No. 230)

LOCATION: Lat. 50° 03′ Long. 117° 12′ (82K/3E)
SLOCAN M.D. Approximately 4.5 kilometres west of Tetallack, on London Ridge, 0.5 kilometre northwest of Bear Lake.

CLAIMS: DRAGON (Lot 848), ALTA (Lot 853), SILVER DAY 8, SILVER DAY 6, SILVER DAY 5, GENTLE ANNIE (Lot 4184), BESSIE (Lot 4183), IRONSIDE (Lot 4182), SEATTLE FR. (Lot 4555), NON PARIEL (Lot 4179), CENTURY FR. (Lot 4557), BLACKBIRD (Lot 4180), NON PARIEL FR. (Lot 4554), VERNON (Lot 4181).

OWNERS: A. K. Greenway and O. Cox.

OPERATOR: A. K. GREENWAY, Box 475, Kaslo V0G 1M0.

METAL: (Silver).

DESCRIPTION: Granitic intrusive rocks form dykes in slates and appear to conform with folds in the sedimentary rocks. Along this contact quartz veins have formed. Tetrahedrite with silver is associated with this quartz intrusion.

WORK DONE: Trenching, on Ironside; opening old tunnels, on Bessie and Gentle Annie.

GOLD QUARTZ (Fig. E-1, NTS 82, No. 234)

LOCATION: Lat. 50° 04′ Long. 117° 08′ (82K/3E)
SLOCAN M.D. Two kilometres northeast of Retallack, on the southeast side of Whitewater Mountain.

CLAIMS: WHITEWATER 1 (15 units), WHITEWATER 2 (10 units), WHITEWATER 3 (6 units), LYLE 1 (18 units), PAISLY (Lot 5612), GARNET (Lot 2842), CUBA (Lot 5609), EMERALD (Lot 5821), RUBY (Lot 5820), WHISTLER (Lot 5614), FLETCHER (Lot 5608).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656 409 Granville Street, Vancouver V6C 1T2.

METALS: Gold, copper.

DESCRIPTION: The central portion of the claim group is underlain by serpentinized ultramafics of Triassic or Permian age. These ultramafics form a narrow northwest-trending belt that is flanked on both sides by chloritized metavolcanic rocks of the Kaslo Group. The majority of the claim group is underlain by these Kaslo Group metavolcanic rocks except the southwest corner where the rocks are Slocan Group black argillites of Triassic age. Minor chalcopyrite and pyrite are found in quartz veining.

WORK DONE: Induced polarization survey, 4.72 kilometres; and diamond drilling, 4 BQ holes, totalling 695 metres, on Whitewater 1; geochemical survey, 135 soil samples analysed for gold and copper, on Garnet, Ruby, Cuba, Emerald, Fletcher, Paisly, and Whistler.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 83; Bull. 7, p. 42; Assessment Reports 7835, 8529, 9060; Mineral Inventory 82K/SW-32.

LARGENTO (Fig. E-1, NTS 82, No. 235)

LOCATION: Lat. 50° 04′ Long. 117° 11′ (82K/3E)
SLOCAN M.D. Approximately 13.5 kilometres southwest of the junction of Cooper Creek and South Cooper Creek; Whitewater Mountain is 3 kilometres north of the property.

CLAIMS: PLATA (1 unit), PLATA 1 (2 units), PLATA 2 (1 unit), LARGENTO (18 units), JIM (6 units), DAN (9 units).

OWNER: ASARCO EXPLORATION CO. OF CANADA LTD., 504, 535 Thurlow Street, Vancouver.

DESCRIPTION: The property is underlain by Slocan sedimentary rocks (Triassic); slaty argillite, phyllitic slate, and pseudo-conglomerate with minor interbedded quartzite and limestone. Numerous dykes and several fault zones cut the sedimentary rocks.

WORK DONE: Geochemical survey, 1 074 soil and 101 rock samples analysed for copper, lead, zinc, and silver, on all claims.

REFERENCES: Assessment Reports 8480, 8516.

PANAMA (Fig. E-1, NTS 82, No. 231)

LOCATION: Lat. 50° 04′ Long. 117° 12′ (82K/3E)
SLOCAN M.D. Five kilometres west-northwest of Retallack at the head of Watson Creek.

CLAIM: PANAMA (Lot 3152).

OWNER: UNITED HEARNE RESOURCES LTD., 14, 1199 West Hastings Street, Vancouver V6E 2K5.

METAL: Silver.

DESCRIPTION: Approximately 95 per cent of the surface of the property is occupied by sedimentary rocks of the Slocan series. The remaining 5 per cent is occupied by intrusions of granodiorite related to the Nelson batholith. Economic mineralization within the Panama lode consists of veins of white quartz containing grey copper (freiburgite), with lesser amounts of native silver, ruby silver, sphalerite, galena, chalcopyrite, and smithsonite. The strike of the lode is north 20 degrees west with a dip of 45 degrees toward the west, which is generally concordant with the bedding of the Slocan slates.

WORK DONE: Underground development; drifting, 21.3 metres and raising, 60.96 metres, on Panama.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p E 63; GEM, 1974, p. 82; Mineral Inventory 82K/SW-55.

PERTH (Fig. E-1, NTS 82, No. 236)

LOCATION: Lat. 50° 10′ Long. 117° 10′ (82K/3E)
SLOCAN M.D. Twenty-one kilometres northeast of the northern end of Slocan Lake on the north side of Copper Creek, cut by a small tributary flowing off Coper Mountain.

CLAIMS: PYRITE (Lot 8793), PERTH (Lot 8794), GOAT 1 to 3 (16 units).

OWNER: AQUITAINE COMPANY OF CANADA LTD., 540 Fifth Avenue SW, Calgary, Alberta T2P 0M4.

METALS: Copper, zinc, lead.

DESCRIPTION: Rhyolitic tuff, chert, quartzose schist, calcareous pelites, and tuffaceous siltstones of the Kaslo Group (Permian-Triassic) are intruded by leucogranite dykes related to the Kuskanax batholith. Pyrite, pyrrhotite, chalcopyrite, sphalerite, and minor galena occur mainly in two horizons of massive sulphides.

WORK DONE: 1979 – ground magnetometer survey, 5.5 kilometres, on Goat 1 and 2; geological mapping, 1:10 000; linecutting, approximately 7 kilometres; ground electromagnetic survey, 0.75 kilometre; petrography; and geochemical survey, 179 soil and silt samples analysed for copper, zinc, lead, and silver, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 45; 1976, p. E 46; Assessment Reports 5636, 6051, 8019; Mineral Inventory 82K/SW-79, 111.

ISLE (Fig. E-1, NTS 82, No. 238)

LOCATION: Lat. 50° 15′ Long. 117° 08′ (82K/3E, 6E)
SLOCAN M.D. Forty kilometres northeast of Kaslo, 3.5 kilometres west-southwest of Meadow Mountain.

CLAIMS: GOAT 1 and 2, ISLE 2 to 7 and 10 to 12.

OWNERS: R. H. Davidson, V. Wilson, G. S. Brett, and W.L.M. Vernon.
OPERATOR: PAYMASTER MINES INC., 811, 543 Granville Street, Vancouver V6C 1X8.
METALS: Silver, lead, zinc.
DESCRIPTION: The property is underlain by phyllite, grit, and grey limestone of the Broadview Formation, Lardeau Group.
WORK DONE: Diamond drilling, 3 NQ holes, totalling 63.4 metres, on Isle 6.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 462; Assessment Report 8532; Mineral Inventory 82K/SW-59.

MOLLIE HUGHES (Fig. E-1, NTS 82, No. 243)

LOCATION: Lat. 50° 00.5' Long. 117° 22' (82K/3W)
SLOCAN M.D. Three kilometres southeast of Rosebery on the south side of Tyron Creek.
CLAIMS: KINKORA (Lot 2104), REAL IDEA (Lot 2105), MOLLY HUGHES (Lot 2106), PINTO (Lot 2107), TRYON (Lot 2108), SWEET GRASS (Lot 8329), IVAN (Lot 8332), ALPS (Lot 9288), WILMER FR. (Lot 8330), MURIEL 1 and 2, MILO 1 and 2, SHARON K 1 and 2, SUSAN L 1 and 2, STEPHANIE A 1 and 2, LIBBY J.
OWNER: DENVER SILVER INC., 9th Floor, 1155 West Georgia Street, Vancouver V6E 3N6.
METALS: Silver, gold.
DESCRIPTION: Gold, silver, lead, and zinc mineralization occurs in a vein system within porphyritic granite and granodiorite of the Nelson batholith. Mineralization is in the form of tetrahedrite-tennantite with lesser argentite and native silver.
WORK DONE: Crosscutting and drifting, 410 metres; and diamond drilling, 225 metres, on Kinkora and Real Idea; mapping, on Kinkora, Molly Hughes, and Tryon.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 71, 72; Assessment Report 4390; Mineral Inventory 82K/SW-2.

RIBBON (Fig. E-1, NTS 82, No. 241)

LOCATION: Lat. 50° 03' Long. 117° 24' (82K/3W)
SLOCAN M.D. On the east side of the northern end of Slocan Lake, immediately north of Rosebery.
CLAIM: RIBBON 1 (20 units).
OWNER: TRANS WEST MINERALS LTD., 4611 Northlawn, Burnaby V5C 3R9.
METAL: Molybdenum.
DESCRIPTION: The claim is underlain by Slocan series sedimentary rocks (Triassic) which have been intruded by an east-west-trending granitic body that appears to be an apophysis of the Cretaceous Nelson pluton. Mineralization includes pyrite, pyrrhotite, and molybdenite.
WORK DONE: Road clearing; and geochemical survey, 13 samples analysed for molybdenum, on Ribbon 1.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 76; Assessment Report 7188; Mineral Inventory 82K/SW-134.

JESSE (Fig. E-1, NTS 82, No. 244)

LOCATION: Lat. 50° 04' Long. 117° 20' (82K/3W)
SLOCAN M.D. Approximately 5.8 kilometres south-southeast of the junction of Fitzstubbs Creek and Wilson Creek.

(82K/3W)

CLAIMS: JESSE 1 to 6, KELLY, KELLY Fraction, NOTHING I and II, KELLY 3 to 15, TIMBERLINE 1 to 6.

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

METAL: Silver.

DESCRIPTION: Sparsely mineralized quartz veins occur in dolomitic sandstones and siltstones and in interbedded slate and sandstone members of the Upper Triassic Slocan Group. Three orientations of veins are present: 90 degrees, 60 degrees to 70 degrees; 130 degrees to 170 degrees, 65 degrees to 75 degrees; 35 degrees to 65 degrees, 25 degrees to 50 degrees. Veins either are barren of sulphides or carry very sparse pyrite and galena.

WORK DONE: Geological mapping, 1:5000; and geochemical surveys, 178 soil samples analysed for copper and silver, and 6 rock samples analysed for gold and silver, covering all claims.

REFERENCES: Assessment Report 8899; Mineral Inventory 82K/SW-71.

ANTON (Fig. E-1, NTS 82, No. 242)

LOCATION: Lat. 50° 05′ Long. 117° 30′ (82K/3W, 4E)
SLOCAN M.D. Approximately 15.5 kilometres west-northwest of Three Forks; property sits on the northwest side of Slocan Lake.

CLAIMS: ANTON 1 (9 units), ANTON 2 (10 units), ANTON 3 (8 units), ANTON 4 (8 units), ANTON 5 (16 units), ANTON 6 (20 units), MOLY 1 and 4 (2 units each), MOLY 6 to 8 (1 unit each), MOLY 5 (9 units), NORTH 1 (6 units), BOBBIE 1 (12 units), VICTOR 1 (9 units).

OWNERS: A. F. Strebchuk and Cyprus Anvil Mining Corp.

OPERATOR: CYPRUS ANVIL MINING CORP., 330, 355 Burrard Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Property is located on the north margin of the Late Cretaceous Wragge Creek intrusive stock which intrudes low-grade metasedimentary rocks of the Triassic Slocan Group. Molybdenite showings are associated with marginal zone pegmatites-apatites. Molybdenite occurs in veins, quartz stringers, and as fracture fillings, either within pegmatites-apatites or within Slocan metasedimentary rocks.

WORK DONE: Geological mapping; 1:5000; and diamond drilling, 4 NQ holes, totalling 1 042 metres, on Moly 1, Anton 2, and Moly 5; geochemical survey, 1 780 soil samples analysed for copper, molybdenum, lead, zinc, and silver, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 84; Assessment Reports 7339, 8402, 9175; Mineral Inventory 82K/SW-62.

DOLLY VARDEN (Fig. E-1, NTS 82, No. 245)

LOCATION: Lat. 50° 08′ Long. 117° 17′ (82K/3W)
SLOCAN M.D. Sixteen kilometres northeast of New Denver (100 kilometres northeast of Castlegar), on the headwaters of Marten and Dixie Creeks at Mount Dolly Varden.

CLAIMS: DOLLY VARDEN (Lot 4101), ARCHIE FR. (Lot 3631A), DOLLY (20 units).

OWNER: M. McCRORY, Box 301, New Denver.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by black shales and lesser limestone beds of the Slocan Group sedimentary rocks which disconformably overlie flows, tuffs, and breccias of the Kaslo series; the age range is Permian-Triassic. A zone of alteration and mineralization lies within the volcanic rocks stratigraphically immediately below the sedimentary rocks. An associated quartz vein carries tetrahedrite and pyrite.

WORK DONE: Geological mapping, 1:40 000 and 1:120, on Dolly Varden.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1900, p. 827; 1901, p. 1223; Assessment Report 9067; Mineral Inventory 82K/SW-130.

MILLIE MACK (Fig. E-1, NTS 82, No. 250)

LOCATION: Lat. 50° 02′ Long. 117° 45′ (82K/4)
SLOCAN M.D. Approximately 13.2 kilometres east of Graham Landing, 11 kilometres northeast of Burton, at Blue Grouse Mountain on the north side of Cariboo Creek.

CLAIMS: RWS (20 units), LMS (10 units), DLS (20 units), LAS (20 units), JUANITA FR., MILLIE MACK (Lot 1831), BLACK BEAR (Lot 4194).

OWNER: Wayne D. Smith.

OPERATOR: SEMPER RESOURCES INC., 1012, 475 Howe Street, Vancouver V6C 2B3.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The property has a pendant of pelites and argillites of the Lower Slocan Group. At the base of this pendant, faulted and sheared sequences of graphitic argillite and schist overlie a footwall of andesite-dacite of Triassic-Lower Jurassic Rossland Group. Mineralization occurs in the graphitic argillite schist.

WORK DONE: Road building, 15 kilometres; and rotary drilling, 36 holes, totalling 925.3 metres, on Millie Mack.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1923, p. 234; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 85; GEM, 1971, p. 423; Assessment Report 8813; Mineral Inventory 82K/SW-5.

EUREAKA (Fig. E-1, NTS 82, No. 249)

LOCATION: Lat. 50° 02′ Long. 117° 40′ (82K/4E)
SLOCAN M.D. Approximately 5 kilometres east-northeast of the junction of Londonderry Creek and Halifax Creek.

CLAIM: EUREAKA (6 units).

OWNER: R. E. Allen.

OPERATORS: R. ALLAN, H. MURPHY, and R. MURPHY, Box 657, Nakusp V0G 1R0.

DESCRIPTION: The property is underlain by Valhalla intrusive rocks with small areas of metasedimentary rocks, dominantly argillites, which are roof pendants of, probably, the Slocan series. There are two prevalent sets of fractures north 60 degrees west, 15 degrees southeast and north 5 degrees west, 80 degrees east. A shear zone about 6 metres wide strikes north 30 degrees west and dips 70 degrees northeast.

WORK DONE: Prospecting.

REFERENCE: Assessment Report 8951.

KUSP (Fig. E-1, NTS 82, No. 248)

LOCATION: Lat. 50° 08′ Long. 117° 36′ (82K/4E)
SLOCAN M.D. Eighteen kilometres southeast of Nakusp, 2 kilometres southeast of the south end of Summit Lake.

CLAIMS: KUSP 1 (20 units), KUSP 2 (12 units), KUSP 4 (8 units).

OWNER: Canbrika Developments Ltd.

OPERATOR: J. R. WOODCOCK CONSULTANTS LTD., 1521 Pemberton Avenue, North Vancouver V7P 2S3.

METALS: (Lead, zinc).

DESCRIPTION: The property consists of a Jurassic volcanic sequence containing clastic strata with disseminated sulphides. Drilling in 1978 indicated sparse disseminated sphalerite and galena.

WORK DONE: Geological mapping and prospecting.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 76; Assessment Reports 6845, 7054.

PROMESTORA (Fig. E-1, NTS 82, No. 251)

LOCATION: Lat. 50° 05′ Long. 117° 47′ (82K/4W)
SLOCAN M.D. Eighteen kilometres south of Nakusp on the headwaters of Mineral and Blue Grouse Creeks.

CLAIMS: PROMESTORA (Lot 3788), ORA GRANDA (Lot 4659), FRITZ 1 to 8, FROSTY, MM 1, TIM 1 to 6, PAULA 1 and 2, MURPH 1 to 6, SUNBURN 1 and 2, NICOLE 1 to 8, A 1 to A 3, SNOW 1 to 4, SNOW 6 and 7.

OWNER: BRENDA MINES LTD., Box 420, Peachland V9H 1X0.

METALS: Lead, molybdenum.

DESCRIPTION: The Mountain Meadow property is bounded by andesite and dacite flows to the north and argillite, shale, and siltstone units to the south. Much of the central map-area is underlain by quartz diorite, diorite, and quartz monzonite of the Ruby Range stock. Several molybdenite and galena occurrences are hosted by subparallel quartz veins within the central stock.

WORK DONE: Linecutting, 29 kilometres; and geochemical survey, 580 soil samples analysed for copper, molybdenum, lead, and zinc, on MM 1, Frosty, and Tim 1-5.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1956, pp. A 51, A 99; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 86; Assessment Report 7829; Mineral Inventory 82K/SW-52.

RED FISHER (Fig. E-1, NTS 82, No. 252)

LOCATION: Lat. 50° 12′ Long. 117° 59.9′ (82K/4W)
SLOCAN M.D. Approximately 13.2 kilometres southwest of the village of Nakusp and approximately 10.2 kilometres north-northwest of the Columbia River-Arrow Park Creek junction, situated on the western side of Arrow Park Creek.

CLAIMS: RED FISHER 1 to 3.

OWNER: R. E. Allen.

OPERATOR: H. S. MURPHY–SHAMROCK CONSTRUCTION LTD., Nakusp.

WORK DONE: Induced polarization survey, 1.95 kilometres, covering all claims.

REFERENCE: Assessment Report 9447.

JUNE (Fig. E-1, NTS 82, No. 253)

LOCATION: Lat. 50° 27′ Long. 118° 00′ (82K/5W, 12W; 82L/8E)
SLOCAN M.D. On the west side of Upper Arrow Lake covering Trout and Vanstone Creeks, extending across Pingston Creek to lake, 20 kilometres northwest of Nakusp.

CLAIMS: JUNE 1 (18 units), JUNE 2 (20 units), JUNE 3 (6 units), JUNE 4 (16 units), LEDGE 1 to 8.

OWNER: ESPERANZA EXPLORATIONS LTD., 1027, 470 Granville Street, Vancouver.

DESCRIPTION: The claims are underlain by the southern portion of the Thor-Odin gneiss dome on the eastern edge of the Shuswap Complex. The rocks have been folded into moderately open to nearly isoclinal folds. Syngenetic bedded sulphide zones occur in metasedimentary schist, gneiss, quartzite, calc-silicate gneiss, marble, and amphibolite.

WORK DONE: Geological mapping, 1:12 500; and geochemical survey, 350 soil samples analysed for lead, zinc, and silver, covering all claims.

REFERENCE: Assessment Report 8415.

POPLAR (Fig. E-1, NTS 82, No. 256)

LOCATION: Lat. 50° 20′ Long. 117° 15′ (82K/6)
SLOCAN M.D. Approximately 17 kilometres west of Bosworth, lying between Poplar Creek and Cascade Creek approximately 12.5 kilometres southwest of Lardeau River.

CLAIMS: POPLAR 1 and 2 (20 units each), POPLAR 3 (12 units).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claims are underlain by northwest-trending steeply dipping argillites and phyllites of the Milford Group (Pennsylvanian to Permian) which are intruded by leucogranite and leucocratic quartz monzonite as sills.

WORK DONE: Geochemical survey, 67 rock samples analysed for copper, molybdenum, iron, and tungsten, on Poplar 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 77; 1979, p. 87; Assessment Reports 7425, 8471.

BULLOCK, HOBBS, LUCKY JACK, CROWN KING (Fig. E-1, NTS 82, No. 255)

LOCATION: Lat. 50° 25′ Long. 117° 10′ (82K/6)
SLOCAN M.D. The property follows along the Lardeau River from where the junction of Cascade Creek comes in and north to Mabbs Creek.

CLAIMS: RUSTY 1 to 22 (total 261 units), BULLOCK, BULLOCK 2, BULLOCK 3 LUCKY JACK, LUCKY JACK 2, LUCKY JACK 3, CROWN KING, ALEX 1 (15 units), ALEX 2 (2 units).

OWNER: Western Mines Ltd.

OPERATORS: WESTERN MINES LTD. and ARMCO MINERAL EXPLORATION LTD., 1103, 595 Burrard Street, Vancouver V7X 1C4.

METALS: Gold, silver, arsenic, copper, lead, zinc.

DESCRIPTION: The claims are underlain mainly by the Index and Broadview Formations of the Lardeau Group. The Index Formation here is phyllite, phyllitic limestone, and quartz grit, overlain by basalt flows and pillow lava and later volcanic-metasedimentary interbedded rocks. They are cut by weakly porphyritic mafic rocks.

WORK DONE: Geochemical survey, 3 208 soil samples analysed for gold, silver, arsenic, copper, lead, and zinc on Rusty 1-7, 9-14, 16-22, Crown King, Bullock, Bullock 2 and 3, Lucky Jack, Lucky Jack 2 and 3, Alex 1 and 2.

REFERENCES: Assessment Reports 8483, 8862; Mineral Inventory 82K/SW-72, 87, 96, 108.

CASCADE (Fig. E-1, NTS 82, No. 257)

LOCATION: Lat. 50° 17′ Long. 117° 14′ (82K/6E)
SLOCAN M.D. Approximately 13 kilometres west of the junction of Mat Creek and Meadow Creek.

CLAIM: CASCADE (20 units).

OWNER: J. R. KERR, 1, 219 Victoria Street, Kamloops V2C 2A1.

DESCRIPTION: Dominant underlying rock types are phyllite, argillite, limestone, and quartzite of the Pennsylvanian Milford Group. A granodiorite or quartz monzonite stock, 1 500 metres by 500 metres, occupies the north-central portion of the claim. The contact with the Kuskanax batholith crosses the northwest corner of the claim.

WORK DONE: Geological mapping, 1:5000; and geochemical surveys, 16 rock samples analysed for molybdenum and tungsten, 2 for lead, zinc, silver, and gold and 28 silt samples analysed for molybdenum, copper, and silver.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 87; Assessment Reports 7838, 8934.

CLAW, YOGI, BEAR, HERMIT (Fig. E-1, NTS 82, No. 258)

LOCATION: Lat. 50° 22′ Long. 117° 03′ (82K/6E)
REVELSTOKE M.D. Ten kilometres southeast of Poplar Creek, at the junction of Deception Creek and Lardeau River.

CLAIMS. CLAW, YOGI 1 (4 units each), BEAR (8 units), HERMIT (20 units), KD NO. 13 (8 units).

OWNER. G. Walters.

OPERATORS: G. WALTERS and T. SONNENBERG, RR 4, Lakeshore Road, Salmon Arm V0E 2T0.

DESCRIPTION: Siliceous lime and metamorphic country rocks are cut by a 1-metre wide quartz vein that has been traced for 2 kilometres. The vein contains values of gold and silver.

WORK DONE: Trenching, 79 metres, 6 trenches sampled and assayed, covering all claims.

HOWSER, PRESIDENT, RUBY (Fig. E-1, NTS 82, No. 254)

LOCATION: Lat. 50° 25′ Long. 117° 00′ (82K/6E, 7W)
SLOCAN M.D. Nineteen kilometres north of the community of Meadow Creek, 2 kilometres west of Gallop Point on the west side of Duncan Lake, on Gallop Creek headwaters.

CLAIMS: TWO BROTHERS (Lot 2005), PRESIDENT FR. (Lot 2007), PRESIDENT (Lot 2006), HOWSER FR. (Lot 2009), HOUSER (Lot 2008), RUBY 1 to 4 and RUBY 5 (6 units), RUBY 6 (2 units).

OWNER: Consolidated Boundary Exploration Ltd.

OPERATOR: COMINCO LTD., 7th Floor, 409 Granville Street, Vancouver V6C 1T2.

METALS: Lead, zinc, sliver.

DESCRIPTION: The area is underlain by the Lardeau Group of clastics, limestones, and volcanic rocks of possible Ordovician age. On the property quartzites, argillites, and altered sill outcrop; the quartzites are brecciated near faults. Brecciated quartzites appear to contain the mineralization.

WORK DONE: Trenching, 8 trenches, 495 metres; and geochemical survey, 359 soil samples analysed for copper, lead, zinc, and silver, on Ruby 1-4, Ruby 6, Two Brothers, President Fr., and President; trenching, 7 trenches, 440 metres, on Two Brothers, President, Ruby 1 and 2; linecutting, 700 metres, on Ruby 3, 4, and 6; and geochemical surveys, 343 soil samples analysed for copper, lead, zinc, and silver, on Ruby 1-6.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 47; 1977, p. E 65; 1978, p. E 77; Assessment Reports 6282, 9480; Mineral Inventory 82K/SW-123, 82K/SE-12.

SEC (Fig. E-1, NTS 82, No. 259)

LOCATION: Lat. 50° 27' Long. 116° 34' (82K/7E)
GOLDEN M.D. Approximately 40 kilometres west-southwest of Invermere, south of Horsethief Creek between Lake of the Hanging Glacier on the west of the property and Farnham Creek on the east.

CLAIMS: HATSOFF 1 to 7 (82 units).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Drilling intersected quartz monzonite, quartz porphyry, and variations of these two rock types. Molybdenite occurs in a zone of quartz-sericite-pyrite stockwork with associated fluorite and sphalerite.

WORK DONE: Diamond drilling, 1 NQ hole, totalling 701.6 metres, on Hatsoff 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 73; Assessment Reports 7534, 8367; Mineral Inventory 82K/SE-61.

RED LEDGE (Fig. E-1, NTS 82, No. 266)

LOCATION: Lat. 50° 19' Long. 116° 27' (82K/8W)
GOLDEN M.D. Approximately 4.5 kilometres west of Jumbo Creek and Toby Creek junction.

CLAIMS: MIN 1 to 4 (9 units each), S MIN 1 (12 units), RED LEDGE I (4 units), RED LEDGE II (2 units).

OWNERS: A. Louie and Echo Bay Mines Ltd.

OPERATOR: ECHO BAY MINES LTD., 500 Pacific Plaza, 10909 Jasper Avenue, Edmonton, Alberta T5J 3L9.

METALS: Lead, zinc, silver.

DESCRIPTION: Argillites, siltstones, quartzites, and minor carbonate rocks of the Dutch Creek Formation, and dolomite of the Mount Nelson Formation (Helikian Purcell system) are overlain unconformably by the Horsethief Creek Group of rocks (Hadrynian Windermere system). Galena and sphalerite occur in the Mount Nelson dolomite.

WORK DONE: Linecutting, 31.6 kilometres; topographical survey; geological mapping, 1:10 000, 1:5000, and 1:2500; ground electromagnetic survey, 18.2 kilometres; induced polarization survey, 16.3 kilometres; and geochemical surveys, 876 soil and 105 silt samples analysed for lead, zinc, silver, and cadmium, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1956, p. 110; 1959, p. 89; Assessment Report 8639; Mineral Inventory 82K/SE-38.

BA (Fig. E-1, NTS 82, No. 265)

LOCATION: Lat. 50° 25' Long. 116° 24' (82K/8W)
GOLDEN M.D. On the north side of Delphine Creek, 6 kilometres west-northwest of its junction with Toby Creek, 28 kilometres southwest of Invermere.

CLAIMS: BA 1 to 4.

OWNER: K. L. BURNS, 4824 – 48th Street NW, Calgary, Alberta T3A 0S7.

DESCRIPTION: Claim area is underlain by Upper Purcell Mount Nelson argillite, slate, dolomitic limestone, and quartzite. The west side of the property is on a syncline. A major fault immediately east of the property appears to be mineralized.

WORK DONE: Ground electromagnetic survey, 0.75 kilometre; and geochemical survey, 309 soil samples analysed for copper, lead, and zinc and 35 soil samples analysed for lead and zinc, covering BA 1 and 2.

REFERENCES: Assessment Reports 8429, 8738.

DARAYNE (Fig. E-1, NTS 82, No. 267)

LOCATION: Lat. 50° 25.5' Long. 116° 18.5' (82K/8W)
GOLDEN M.D. Approximately 23 kilometres south-southwest from Invermere and about three-quarters of a kilometre north from the Toby Creek and Delphine Creek junction.

CLAIMS: DARAYNE 1 (Lot 2627), DARAYNE 2 (Lot 3046).

OWNER: J. H. Fuller.

OPERATOR: F. A. LANG, 1575 Rena Crescent, West Vancouver V7V 2Z2.

WORK DONE: Gravity survey, covering both claims.

REFERENCE: Assessment Report 8751.

BJ (Fig. E-1, NTS 82, No. 264)

LOCATION: Lat. 50° 26' Long. 116° 27' (82K/8W)
GOLDEN M.D. West-southwest of Invermere, covering Shamrock Lake just north of Black Diamond Mountain.

CLAIMS: BJ 1 to 4.

OWNER: ECHO BAY MINES LTD., 500 Pacific Plaza, 10909 Jasper Avenue, Edmonton, Alberta T5J 3L9.

METALS: (Lead, zinc).

DESCRIPTION: Stratigraphic units include the Horsethief Creek Group disconformably overlying Ordovician to Silurian Beaverfoot Formation; the unconformably overlying Devonian Cedared Formation; and an overlying thrust block of Helikian Dutch Creek and Mount Nelson Formations. Lithologies comprise coarse to fine-grained clastic and carbonate rocks.

WORK DONE: Geological mapping, 1:5000, covering all claims.

REFERENCE: Assessment Report 8514.

NIP & TUCK (Fig. E-1, NTS 82, No. 261)

LOCATION: Lat. 50° 28′ Long. 116° 24′ (82K/8W)
GOLDEN M.D. Twenty-seven kilometres west-southwest of Invermere on the headwaters of Red Line Creek.

CLAIMS: NIP & TUCK 1 to 8, GOLDEN TIME 1, WH 1 to 4.

OWNERS: Golden Gate Explorations Ltd. and Alhambra Mining Co. Ltd.

OPERATOR: GOLDEN GATE EXPLORATIONS LTD., 215, 744 West Hastings Street, Vancouver.

METALS: Silver, lead, zinc, (gold).

DESCRIPTION: At the 9000 level on Red Line Creek pyrite, arsenopyrite, galena, sphalerite, and tetrahedrite mineralization is distributed over a wide area. Underlying the area is grey limestone with grey to black argillite and white to green quartzite. This is the Upper Purcell Mount Nelson Formation of Proterozoic age. The most important rock for the localization of sulphides is the grey limestone.

WORK DONE: Helicopter exploration, prospecting, and road construction, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1928, p. 277; Mineral Inventory 82K/SE-37.

GREEN RIDGE (Fig. E-1, NTS 82, No. 262)

LOCATION: Lat. 50° 29′ Long. 116° 15′ (82K/8W)
GOLDEN M.D. Sixteen kilometres west of Windermere at the headwaters of the northern branches of Springs Creek.

CLAIMS: GREEN RIDGE 1 to 8.

OWNER: J. KOMPERDO, Box 61, Lundbreck, Alberta T0K 1H0.

METALS: (Copper, silver, gold).

DESCRIPTION: Drilling indicated the property is underlain by argillites, quartzites, and siderite that contains weak mineralization of copper, gold, and silver.

WORK DONE: Drilling, approximately 15 metres, on Green Ridge 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 66; 1978, p. E 78; 1979, p. 89; Mineral Inventory 82K/SE-68.

PARADISE, BALD EAGLE (Fig. E-1, NTS 82, No. 263)

LOCATION: Lat. 50° 29′ Long. 116° 18′ (82K/8W)
GOLDEN M.D. Approximately 19.5 kilometres west-southwest of Invermere, 1 kilometre northeast of Watch Peak.

CLAIMS: CARBONATE FR. (Lot 6398), PARRADICE (Lot 4341), COMSTOCK (Lot 4342), ROYAL STAG (Lot 4343), SHAMROCK (Lot 4344), PTARMIGAN (Lot 4345), BLUE GROUSE (Lot 11261), LAST CHANCE (Lot 11262), SILVER CACHE (Lot 11263), BOHUNK (Lot 11264), OVERSIGHT (Lot 11265), OVERSIGHT FR. (Lot 11266), PARADISE 1, 3, 5, 7.

OWNER: TRI BASIN RESOURCES LTD., 1503, 750 West Pender Street, Vancouver V6C 2T8.

METALS: Silver, lead, zinc.

DESCRIPTION: Argillaceous and calcareous strata of the Mount Nelson Proterozoic Formation are tightly folded into northwesterly trending, steeply dipping, and gently plunging folds. The ore mineralization (pyrite, sphalerite, and galena) is a relatively massive replacement of a grey, fine-grained, dolomitic limestone close to its contact with an overlying argillaceous to slaty horizon. The ore zones were highly oxidized within about 60 metres of surface, but as development and production proceeded farther underground the fresh sulphides were encountered. Ore has been traced and mined over a distance of 600 metres.

WORK DONE: Road building, grading 11 kilometres, of access road, on Paradise, Royal Stag, and Ptarmigan.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1949, pp. 196-199; 1964, p. 135; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 83; Mineral Inventory 83K/SE-29, 39, 58.

TOBY (Fig. E-1, NTS 82, No. 260)

LOCATION: Lat. 50° 30′ Long. 116° 08′ (82K/8E, 9E)
GOLDEN M.D. Approximately 2.8 kilometres west of the junction of Neave Creek and Toby Creek; Lillian Lake is in the northwest corner of Toby 3.

CLAIMS: TOBY 1 (8 units), TOBY 2 (6 units), TOBY 3 (15 units), TOBY 4 (9 units), TOBY 5 (12 units).

OWNER: CORE RESOURCES LTD., 214, 837 West Hastings Street, Vancouver V6C 1B7.

DESCRIPTION: The property is underlain by Upper Purcell Mount Nelson dolomitic limestone, argillite, slate, and quartzites. Discontinuous thin lenses and concordant stringers of calcite are included in thinly bedded argillites. The sedimentary rocks are lightly metamorphosed with traces and light disseminations of pyrite.

WORK DONE: Ground electromagnetic survey and ground magnetometer survey, approximately 25 kilometres, covering Toby 1, 2, 4, and 5.

REFERENCE: Assessment Report 8897.

LOST (Fig. E-1, NTS 82, No. 271)

LOCATION: Lat. 50° 32′ Long. 116° 20′ (82K/9W)
GOLDEN M.D. Approximately 3.2 kilometres south-southeast of the junction of Gopher Creek and Horsethief Creek, 20 kilometres west-southwest of Radium Hot Springs.

CLAIM: LOST (12 units).

OWNER: FIRST NUCLEAR CORP., 1210, 10045 – 111th Street, Edmonton, Alberta T5K 1K4.

DESCRIPTION: The property is centred on an outlier of Paleozoic strata surrounded by Hadrynian rocks of the Horsethief Creek Group.

WORK DONE: Fifteen rock samples assayed for copper, lead, and zinc; and geochemical survey, 10 silt and 3 rock samples analysed for copper, lead, and zinc, on Lost.

REFERENCE: Assessment Report 8842.

GROTTO (Fig. E-1, NTS 82, No. 269)

LOCATION: Lat. 50° 34′ Long. 116° 21′ (82K/9W)
GOLDEN M.D. Twenty-three kilometres west-northwest of Invermere, extending northward from Horsethief Creek, opposite the mouth of Gopher Creek.

CLAIMS: GROTTO 1 to 25.

(82K/9W)

OWNER: GROTTO SILVER MINES LTD., 197 Howard Street, Kimberley V1O 1K0.

METALS: Lead, zinc, silver.

DESCRIPTION: Disseminated pyrite, galena, sphalerite, and smithsonite occur in fractures and carbonate breccias in dolomites of the Jubilee and Beaverfoot (Brisco ?) Formations.

WORK DONE: Diamond drilling, 122 metres, on Grotto 6; and geochemical survey, 100 samples taken, on Grotto 4 and 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet Res.*, Exploration in B.C., 1978, p. E 79; 1979, p. 89; GEM, 1972, p. 74; 1975, pp. 46, 47; Assessment Report 5543; Mineral Inventory 82K/NE-17.

SLIDE, ANNETTE (Fig. E-1, NTS 82, No. 270)

LOCATION: Lat. 50° 37.5′ Long. 116° 30′ (82K/9W, 10E)
GOLDEN M.D. Approximately 31 kilometres west of Radium Hot Springs; Welsh Creek cuts through claim group on a north-south east-west direction.

CLAIMS: SLIDE 1, 2, 31, 32, 39 to 44, 101 (8 units), 102 (16 units), 103 (6 units), 104 (9 units), ANNETTE 1, 2, 27 to 34, 51, 52.

OWNER: DENISON MINES LTD., Box 11575, 650 West Georgia Street, Vancouver V6B 4N7.

METAL: Molybdenum.

DESCRIPTION: Claims are in the east-central portion of the Cretaceous Horsethief stock which intrudes Proterozoic Purcell and Windermere metasedimentary rocks. Three types of granitoid rock form semi-concentric zones in the stock; outer is quartz monzonite, inner is granite, and between these and grading into them is porphyritic quartz monzonite.

WORK DONE: Geological mapping, 1:5000, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 49; 1977, p. E 68; GEM, 1970, p. 469; 1971, p. 426; 1972, p. 74; 1973, p. 92; Assessment Reports 3390, 3391, 3753, 4559, 4614, 6044, 6593, 8665; Mineral Inventory 82K/NE-16, 39-44, 52, 66.

BALTIC (Fig. E-1, NTS 82, No. 268)

LOCATION: Lat. 50° 38′ Long. 116° 19′ (82K/9W)
GOLDEN M.D. Eighteen kilometres west-northwest of Radium Hot Springs on Forester Creek.

CLAIMS: BALTIC 1 to 13.

OWNER: G. LARRABEE, Box 471, Invermere V0A 1K0.

METALS: Silver, lead, zinc.

DESCRIPTION: Lead-zinc mineralization on the Baltic property occurs in breccia zones within the Ordovician Beaverfoot Formation. These breccia zones are of solution-collapse origin, and are related to an erosion surface.

WORK DONE: Trenching, 5 trenches, 35 metres total length, on Baltic 7.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 80; Assessment Reports 5555, 7061; Mineral Inventory 82K/NE-64.

ZEN (Fig. E-1, NTS 82, No. 273)

LOCATION: Lat. 50° 39′ Long. 116° 35′ (82K/10E)
GOLDEN and SLOCAN M.D. Approximately 33 kilometres west-southwest from Edgewater, with the property surrounding Whirlpool Lake.

(82K/10E)

CLAIMS: ZEN 1 to 8, ZEN 9 (6 units), ZEN 10 (10 units), ZEN 11 (6 units), ZEN 12 (10 units).

OWNER: DENISON MINES LTD., Box 11575, 650 West Georgia Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The Whirlpool showing is in coarse-grained biotite quartz monzonite of the Horsethief stock and is in the contact zone between the stock and the surrounding Purcell Group and Windermere Group metasedimentary rocks. Molybdenite occurs in quartz, rarely in aplite.

WORK DONE: Diamond drilling, 2 BQ holes, totalling 445 metres, on Zen 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 72; Assessment Reports 3806, 4559, 8575; Mineral Inventory 82K/NE-54.

MOLLY LAKE **(Fig. E-1, NTS 82, No. 272)**

LOCATION: Lat. 50° 40.5' Long. 116° 30.5' (82K/10E)
GOLDEN M.D. Approximately 26.5 kilometres west-southwest of Edgewater between the headwaters of Frances and Forster Creeks.

CLAIMS: BEV 1 to 12.

OWNER: Canadian Johns-Manville Ltd.

OPERATOR: DENISON MINES LTD., Box 11575, 650 West Georgia Street, Vancouver V6B 4N7.

METAL: Molybdenum.

DESCRIPTION: Molybdenite is associated with fractures and quartz veins in quartz monzonite of the Cretaceous Horsethief stock.

WORK DONE: Geological mapping, 1:5000, on Bev 1-6, 8, and 12.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 74; 1973, p. 92; Assessment Reports 3581, 4240, 4613; Mineral Inventory 82K/NE-50, 51.

FIDELITY **(Fig. E-1, NTS 82, No. 277)**

LOCATION: Lat. 50° 32' Long. 117° 16' (82K/11W)
REVELSTOKE M.D. Approximately 37 kilometres northwest of Lardeau, at the southeast tip of Trout Lake, with Horsefly Creek running through the property.

CLAIMS: TROUT 1 and 2 (18 units each), ANNIE E (Lot 7268), BOSUN (Lot 7271), JWG (Lot 7432), FD FR. (Lot 7274), WE TWO (Lot 7273), SPOKANE (Lot 7272), FIDELITY (Lot 7269), NIPPISSING (Lot 7270), BS FR. (Lot 7275), AF FR. (Lot 7276).

OWNER: GREAT BASINS PETROLEUM LTD., 37th Floor, Scotia Centre, 700 Second Street SW, Calgary, Alberta.

METALS: Silver, lead, zinc, gold.

WORK DONE: Diamond drilling, 3 BQ and NQ holes, totalling 120.4 metres, on Fidelity.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 80; Assessment Report 9208; Mineral Inventory 82K/NW-114.

BUG **(Fig. E-1, NTS 82, No. 278)**

LOCATION: Lat. 50° 35.5' Long. 117° 21' (82K/11W)
REVELSTOKE M.D. Approximately 8 kilometres south of the junction of Gainer Creek and Lardeau Creek with Trout Lake lying 6 kilometres south of group.

(82K/11W)

CLAIMS: BUG 2 (18 units), BUG 6 (16 units), BUG 7 (20 units), BUG 8 (20 units), BUG 9 (20 units).

OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta T2R 1B2.

DESCRIPTION: The Trout Lake gold project area lies within the Kootenay Arc, which forms part of the Purcell anticlinorium. The claims are underlain by mafic volcanic rocks, fine-grained argillaceous and siliceous sedimentary rocks, grits, and carbonates of the Lardeau Group, Lower Cambrian to Middle Devonian.

WORK DONE: Geochemical surveys, 236 soil samples analysed for gold, silver, lead, zinc, and copper and 34 silt samples analysed for gold, calcium, cobalt, copper, iron, lead, manganese, silver, vanadium, zinc, and arsenic, on Bug 2, 7, 8, and 9.

REFERENCE: Assessment Report 9069.

FOGGY DAY (Fig. E-1, NTS 82, No. 279)

LOCATION: Lat. 50° 36′ Long. 117° 21′ (82K/11W)
REVELSTOKE M.D. Approximately 14.5 kilometres southeast of the settlement of Trout Lake, 2 kilometres south of Triune Mountain.

CLAIM: FOGGY DAY (Lot 6888).

OWNER: H. COMMAND, Box 614, Nakusp V0G 1R0.

METALS: Gold, silver.

DESCRIPTION: The Foggy Day contains six adits of an aggregate length of 61 metres, distributed along the outcrop of the irregular, lensy quartz veins which cut argillaceous, calcareous, and siliceous sedimentary rocks.

WORK DONE: Trenching, 4 metres, on Foggy Day.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts. 1930, p. 267; 1931, p. 151; 1934, p. E36; *Geol. Surv., Canada*, Mem. 161, p. 47; Mineral Inventory 82K/NW-117.

WINSLOW, OKANAGAN (Fig. E-1, NTS 82, No. 276)

LOCATION: Lat. 50° 37′ Long. 117° 23′ (82K/11W)
REVELSTOKE M.D. Approximately 14 kilometres northwest of the southeast tip of Trout Lake, lying 8.5 kilometres north of the junction of Abrahamson Creek and Trout Lake.

CLAIMS: RIT 1 (9 units), RIT 2 (6 units), ALICE (Lot 7440), WINSLOW (Lot 8680), GLADHAND (Lot 8681), OKANAGAN (Lot 9127), ENDERBY (Lot 9128).

OWNER: G. Ross.

OPERATORS: G. ROSS, 23 Eagle Ridge Place SW, Calgary, Alberta and SASKO OIL & GAS LTD., 574 One Calgary Place, 330 Fifth Avenue SW, Calgary, Alberta T2P 0L4.

METALS: Gold, silver, zinc, lead, copper.

DESCRIPTION: Pyrite, gold, silver, galena, and sphalerite are present in a steeply dipping shear zone within phyllites of the Broadview Formation.

WORK DONE: Linecutting, 4.3 kilometres; and geochemical survey, 162 soil samples analysed for gold, lead, silver, zinc, and copper, on Rit 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 76, 77; 1973, p. 95; Bull. 45, p. 85; Assessment Reports 674, 8642; Mineral Inventory 82K/NW-23, 24, 25.

TRIUNE, MORNING STAR (Fig. E-1, NTS 82, No. 274)

LOCATION: Lat. 50° 38' Long. 117° 20' (82K/11W)
REVELSTOKE M.D. Thirteen kilometres southeast of the settlement of Trout Lake on the northern slope of Triune Mountain.

CLAIMS: SILVER BASIN, TRIUNE 1 to 7, FREE COINAGE (Lot 1588), MORNING STAR (Lot 4574), COPPER GLANCE, HELCO Fraction, HELCO, KING 1, GUS, TEN MILE (15 units), LK Fraction.

OWNER: AMERICAN CHROMIUM LTD., 217, 513 Eighth Avenue SW, Calgary, Alberta T2P 1G3.

DESCRIPTION: The geological formations in this area include limestones, quartzites, grits, phyllites, schists, and pyroclastic and flow rocks of the Lardeau Formation (Paleozoic ?).

WORK DONE: Airborne electromagnetic and airborne magnetometer surveys, 304 kilometres, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1914, pp. K303-K305; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 81; 1979, p. 90; Bull. 45, pp. 56, 78; Assessment Reports 7324, 9037; Mineral Inventory 82K/NW-26, 98, 118, 119.

BADSHOT, BLACK PRINCE (Fig. E-1, NTS 82, No. 275)

LOCATION: Lat. 50° 43' Long. 117° 20' (82K/11W)
REVELSTOKE M.D. Fifteen kilometres east-northeast of Ferguson, running southeast from Badshot Mountain to Mohican Mountain.

CLAIMS: BADSHOT (Lot 1105), BLACK PRINCE (Lot 755), PERRY LODE (Lot 4568), EARLYBIRD (Lot 8708), PATHFINDER (Lot 8707), LINDA 1 to 10.

OWNERS: E. Denny and J. Denny.

OPERATOR: DeKALB MINING CORP., 630 Sixth Avenue SW, Calgary, Alberta T2P 0S8.

METALS: Lead, silver.

DESCRIPTION: Narrow lead-silver-bearing steeply dipping vein in limestone at the base of Badshot Mountain.

WORK DONE: Road building, 4 kilometres, on Linda 8 and 9, Perry Lode, and Badshot.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts. 1894, p. 744; 1900, pp. 820-821; *Geol. Surv., Canada*, Mem. 161, p. 108, Sum. Rept. 1903—17A; Mineral Inventory 82K/NW-33, 34.

CRAIG (Fig. E-1, NTS 82, No. 284)

LOCATION: Lat. 50° 38' Long. 117° 33' (82K/12E)
REVELSTOKE M.D. Fifty-nine kilometres southeast of Revelstoke, at the northwest end of Trout Lake, covering the lower part of Asher and Humphries Creeks.

CLAIMS: HUM 1 to 11 (170 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: Silver, lead, zinc.

DESCRIPTION: Phyllites and limestones of the Milford and Lardeau Groups are intruded by numerous rhyolite dykes related to the Kuskanax batholith of Cretaceous—Tertiary age. Pyrite, galena, tetrahedrite, sphalerite, and silver values occur in quartz veins which cut all rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 486 soil, 33 silt, and 50 rock samples analysed for copper, lead, zinc, molybdenum, and tungsten, on all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1914, p. K318; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 91; Assessment Reports 7376, 7891, 9141; Mineral Inventory 82K/NW-147.

TROUT LAKE, LUCKY BOY **(Fig. E-1, NTS 82, No. 281)**

LOCATION: Lat. 50° 38′ Long. 117° 36′ (82K/12E)
REVELSTOKE M.D. Eight kilometres southwest of the settlement of Trout Lake, covering Trout Mountain, between Asher Creek and the lower part of Wilkie Creek.

CLAIMS: CH, XYZ, CD, BLUE JAY, DOUBTFUL (Lots 4741 to 4745), LB (Lot 5423), ANEX, LB Fraction, LUCKY JAY 1 to 3, 6, 7, 9 to 11, ROVER 2 to 7, CHIEF MOLY, COPPER CHIEF MOLY 1, 2, TL 1 to 17, FOG 1 to 5, LEMAR 3, 20 Fraction, ASH 1, 2, HORSESHOE (Mineral Lease M-24).

OWNERS: NEWMONT MINES LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3, ESSO RESOURCES CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3, and AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Molybdenum, copper, lead, zinc, silver.

DESCRIPTION: The claims are underlain by pelitic schists, quartzite, grits, limestone, dolomite, and greenstone of the Lardeau Group (Lower Paleozoic), shale, siltstone, phyllite, schist, sandstone, quartzite, and limestone of the Milford Group (Upper Paleozoic) and by Kuskanax stock and dyke intrusive rocks (Jurassic or younger). Moybdenite and lesser chalcopyrite, galena, sphalerite, and silver occur with pyrite in a quartz vein stockwork.

WORK DONE: Geological mapping, 1:6000; petrography survey; and geochemical survey, 10 rock and 3 silt samples analysed for molybdenum, copper, lead, zinc, silver, gold, tungsten, and tin, on TL 14 and 15; underground development, 1 305 metres; and diamond drilling, 10 NQ holes, totalling 1 832 metres, on TL 1, 4, Lucky Jay 2, and Doubtful.

REFERENCES: Mineral Inventory 82K-1-4, 59, 87-93, 102, 123; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 78; Exploration in B.C., 1978, pp. E 82, E 83; 1979, p. 91; Assessment Reports 3804, 7192, 7889.

LYNX CAT, SILVER BLUE **(Fig. E-1, NTS 82, No. 280)**

LOCATION: Lat. 50° 39′ Long. 117° 31′ (82K/12E)
REVELSTOKE M.D. On the northeast shore of Trout Lake, Lardeau Creek runs through the property.

CLAIMS: SILVER BLUE 1 to 3 (17 units), LYNX CAT (20 units).

OWNER: A. L. DAVIS, Box 45, Trout Lake V0E 1X0.

DESCRIPTION: Tetrahedrite mineralization in association with malachite and azurite minerals occurs in a white quartz vein up to 8 metres wide in limestone. The quartz vein strikes parallel to bedding in the Lardeau metasedimentary rocks in a northwest-southeast direction.

WORK DONE: Prospecting, on Silver Blue and Lynx Cat; trenching, 1 trench, 25 metres; and geochemical survey, 10 soil samples analysed for silver and gold, on Silver Blue 1 and 2.

RAIN (Fig. E-1, NTS 82, No. 285)

LOCATION: Lat. 50° 42' Long. 117° 43' (82K/12E)
REVELSTOKE M.D. Approximately 17 kilometres northwest of the western tip of Trout Lake. Armstrong Lake lies on the eastern tip of the claim group.

CLAIMS: RAIN 1 and 2 (14 units each).

OWNER: NEWMONT MINES LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3.

DESCRIPTION: The property is underlain by metasedimentary rocks of the Lower Cambrian to Middle Devonian Lardeau Group. Outcrops in the northwest corner indicate several horizons of interbedded limestone and dolomite. In the northwest area a number of quartz biotite schists are interbedded with the limestone. Two outcrops of quartzite were located. Structural information is negligible.

WORK DONE: Pits, 24; and geochemical survey, 89 soil samples analysed for copper, molybdenum, lead, zinc, and silver and 12 rock samples analysed for molybdenum, lead, zinc, and silver, on Rain 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 85; 1979, p. 92; Assessment Reports 7049, 7769, 8772.

GOAT (Fig. E-1, NTS 82, No. 287)

LOCATION: Lat. 50° 44' Long. 117° 32' (82K/12E)
REVELSTOKE M.D. Approximately 55 kilometres southwest of Revelstoke, north of Great Northern Mountain, just north of Mountain Creek.

CLAIMS: GOAT, DOUBLE E (8 units each).

OWNER: E. EMPEY, Box 343, Cache Creek V0K 1H0.

WORK DONE: Prospecting and trenching, on both claims.

REFERENCES: Assessment Reports 7207, 7924.

HAWK (Fig. E-1, NTS 82, No. 286)

LOCATION: Lat. 50° 45' Long. 117° 34' (82K/12E, 13E)
REVELSTOKE M.D. Ten kilometres north of the settlement of Trout Lake, east of Mohawk Creek.

CLAIMS: HAWK 1, 2 (6 units each), HAWK 3 (15 units).

OWNER: C. GRAF, 2101, 1155 Beach Avenue, Vancouver V6E 1V2.

DESCRIPTION: The claims are underlain by black graphitic schists, chloritic schists, and greenstones. Several rock outcrops are rusty and contain pyritic quartz veins.

WORK DONE: Geological mapping, 1:10 000, on all claims.

REFERENCE: Assessment Report 8491.

BLIND BAY (Fig. E-1, NTS 82, No. 288)

LOCATION: Lat. 50° 41' Long. 117° 48' (82K/12W)
REVELSTOKE M.D. Approximately 4.5 kilometres northeast of Galena Bay, 1 kilometre south of Blind Bay.

CLAIMS: BLIND BAY 1 to 4.

OWNER: H. COMMAND, Box 614, Nakusp.

DESCRIPTION: An old adit, 61 metres in length cuts quartzite schist and limestone of the Badshot Formation. Lead and silver values are present.

WORK DONE: Trenching, 30 metres, on Blind Bay 2; road building, 3.2 kilometres, on all claims.

SUNSHINE, ECLIPSE, SPIDER **(Fig. E-1, NTS 82, No. 289)**

LOCATION: Lat. 50° 46.5′ Long. 117° 36.5′ (82K/13E)
SLOCAN M.D. Eight kilometres northeast of Beaton on Pool Creek between Camborne and the junction of Mohawk and Pool Creeks.

CLAIMS: GOLD BIRD, WINTON, SPIDER, SPIDER NO. 1, MAY FR., ANACONDA FR., GILL, GILL FR. (Lots 15750 to 15757).

OWNER: SUNSHINE COLUMBIA RESOURCES LTD., 301, 535 West Georgia Street, Vancouver V6B 1Z6.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: Mineralization occurs as replacement of carbonate rocks and following small cracks and fissures in schist.

WORK DONE: Road repair, 300 metres; repair work to portal and pipe; and diamond drilling, 7 E holes, totalling 468 metres, all on Spider; geochemical survey, 34 samples analysed for gold, silver, lead, and zinc, on Spider.

REFERENCES. *Minister of Mines, B.C.*, 1956, pp. 99-105; 1964, p. 130; Mineral Inventory 82K/NW-44, 45, 48, 49.

GOLDFINCH, CAMBORNE **(Fig. E-1, NTS 82, No. 292)**

LOCATION: Lat. 50° 48.5′ Long. 117° 39′ (82K/13E)
REVELSTOKE M.D. Approximately 10 kilometres northeast to Beaton with Menhinick Creek flowing through the centre of the property.

CLAIMS: VIK (20 units), DOE (20 units), WALRUS (Lot 5653), GOLDFINCH (Lot 5654), SEA LION (Lot 5655), RED FOX (Lot 5656), RIDGE (Lot 5657), EVENING STAR (Lot 5658), CENTRE STAR (Lot 5659), MORNING STAR (Lot 5660), BONANZA (Lot 5661).

OWNER: EATON MINING & EXPLORATION LTD., 606, 837 West Hastings Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by Broadview metasedimentary rocks, chiefly phyllites and phyllitic grit, with minor quartzite. Sericite and chlorite are common alteration minerals. Foliation trends about north 40 degrees west and dips 35 degrees to 75 degrees northeast. Mineralization in veins and stringer zones is quartz with minor calcite, pyrite, and galena.

WORK DONE: Geological mapping, 1:200; and geochemical survey, 85 soil samples analysed for lead, 85 soil samples analysed for gold, and 166 soil samples analysed for lead and gold, on Goldfinch and Walrus.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1935, p. G51; Assessment Report 9137; Mineral Inventory 82K/NW-76.

BIG SHOWING **(Fig. E-1, NTS 82, No. 290)**

LOCATION: Lat. 50° 52.5′ Long. 117° 34′ (82K/13E)
REVELSTOKE M.D. Ten kilometres north of Camborne, centred 2 kilometres east of the Incomappleux River between Boyd Creek and Ruby Silver Creek.

CLAIMS: RUBY SILVER (18 units), GOLDY (4 units).

OWNER: J. M. Leask.

OPERATOR: M. R. BAYES, 354 Crestview Crescent, Castlegar V1N 3B3.

METALS: Lead, zinc, silver.

DESCRIPTION: The overall structure is of nearly upright folds within the Lardeau Group rocks (Lower Paleozoic) consisting of dark green phyllite and volcanic greenstone, grey phyllitic limestone, and quartz grit. Sphalerite, galena, and silver mineralization occurs at or near the contact between green phyllite and grey sugary limestone.
WORK DONE: Geological mapping, 1:10 000, covering both claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1928, p. C318; Assessment Report 7996; Mineral Inventory 82K/NW-78.

UNITED VICTORY (Fig. E-1, NTS 82, No. 291)

LOCATION: Lat. 50° 54′ Long. 117° 34′ (82K/13E)
REVELSTOKE M.D. Forty-two kilometres east-southeast of Revelstoke on the east side of Incomappleux River at the mount of Kellie Creek.
CLAIMS: KODIAK 20 (8 units), KODIAK 21 (4 units).
OWNER: A. de QUADROS, 2741 Chesterfield Avenue, North Vancouver.
METAL: Tungsten.
DESCRIPTION: Disseminated scheelite, minor chalcopyrite, sphalerite, and molybdenite occur in skarn zones in carbonate rocks at or near contacts with the Battle Range batholith.
WORK DONE: 1979 – geological mapping, 1:10 000, covering both claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1943, p. 78; Assessment Report 7906; Mineral Inventory 82K/NW-198.

ESCALADE (Fig. E-1, NTS 82, No. 295)

LOCATION: Lat. 50° 55′ Long. 117° 25′ (82K/14W)
REVELSTOKE and SLOCAN M.D. Approximately 48 kilometres southeast of Revelstoke and 64 kilometres southwest of Golden covering Oasis Lake, headwaters of Houston Creek.
CLAIMS: ESCALADE 1, 2, 4, OASIS 1, 2.
OWNER: TECK CORP., 1199 West Hastings Street, Vancouver V6E 2K5.
METAL: (Tungsten).
DESCRIPTION: The property is underlain by Marsh Adams Formation and the younger Mohican Formation of the Lower Cambrian Hamill Group. Biotite-hornblende-quartz monzonite cuts rocks of the Hamill Group discordantly (Battle Creek batholith). Tungsten occurs in skarn in the Mohican Formation at a limestone-monzonite contact. Molybdenite was found in float.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 58 silt samples analysed for copper, molybdenum, silver, and zinc, covering all claims.
REFERENCE: Assessment Report 8539.

MAD (Fig. E-1, NTS 82, No. 296)

LOCATION: Lat. 50° 58′ Long. 117° 23′ (82K/14W)
SLOCAN M.D. Thirty-four kilometres northeast of Beaton, covering Mount Ahab, Pequod Mountain, Moby Dick Mountain, and Mount Proteus.
CLAIMS: PEQUOD 1 to 6 (20 units each), OBS (20 units).
OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.
METAL: Molybdenum.
DESCRIPTION: The property is underlain by the following intrusive rocks: Battle porphyry, Butters stock, feldspar porphyry, and aplite dykes, quartz-feldspar pegmatite,

and breccia. Alteration consists of quartz, sericite, pyrite, chlorite, and epidote. Molybdenite occurs in silicified zones and quartz veinlets within the Battle porphyry.

WORK DONE: Geological mapping, 1:10 000, on Pequod 1-6; and diamond drilling, 1 NQ and BQ hole, totalling 882.7 metres, on Pequod 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 86; 1979, p. 94; Assessment Report 8167; Mineral Inventory 82K/NW-167.

ATLAS, ECLIPSE, CRYSTAL CREEK (Fig. E-1, NTS 82, No. 299)

LOCATION: Lat. 50° 50′ – 50° 58′ Long. 116° 43′ – 117° 02′ (82K/14E, 15) GOLDEN M.D. Approximately 45 kilometres south of Golden. Property covers Vermont Creek, Crystal Creek, headwaters of Warren Creek, parts of Crystalline, Conrad and Malloy Creeks where they enter Vowell Creek.

CLAIMS: WC 1 to 14, S 1 to 3, L 1, 2, W 1, 2, PR 1, 2, PRO 1, 6 to 13, COG 1 to 15, TECT 1 to 4 (total 813 units).

OWNER: NORCEN ENERGY RESOURCES LTD., 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: The area is underlain by sedimentary rocks of the Hadrynian Horsethief Creek Group, dominantly poorly sorted clastic rocks with very minor limestone. The major fold on the property is an anticlinorium whose axial plane runs through the Ruth Vermont mine deposit (northwest-southeast). The axial area is highly foliated and contorted. Mineralization is related to quartz veining with minor galena.

WORK DONE: 1979 – geological mapping, 1:1000 on Tect 1, 3 and 4 and Cog 4; 1:17 000 on Cog 6, 8, 9 and 11, S 1, L 1, PR 2, L2, WC 1, 2, 9, 11, 13, 14; geochemical survey, 1 984 soil, 50 silt, and 2 rock samples analysed for copper, lead, zinc, silver, iron, and manganese on WC 1, 2, 9, 11, 13 and 14, PR 1 and 2, L 1 and 2, COG 4, 6, 8-11, and Tect 1-4; and sampling, 31 samples taken, on Tect 4; 1980 – geological mapping, 1:20 000, covering Cog 1-4, Tect 4, Pro 6-8, 10-13; 1:5000, covering Cog 1-4, Tect 4; 1:1000, covering Cog 1-4, Tect 2-4; diamond drilling, 7 NQ holes, totalling 530.3 metres, and ground electromagnetic survey, downhole EM logging, on Tect 1-4; geochemical survey, 422 samples analysed for lead, zinc, copper, silver, iron, and manganese, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 97 (Eclipse); Exploration in B.C., 1978, p. E 86 (Atlas); Assessment Reports 182, 901, 1712, 1713, 4514, 4716, 5446, 5869, 6257, 6744, 7409, 7663, 8096, 8097, 8089, 8099–8104, 8140, 8041, 8054, 8055, 8294, 8297, 8298, 8560, 8646, 9131; Mineral Inventory 82K/NE-10, 24.

MAKALU (Fig. E-1, NTS 82, No. 293)

LOCATION: Lat. 50° 48′ Long. 117° 09.5′ (82K/14E) SLOCAN M.D. On the east side of Duncan River, 50 kilometres south of Golden, 2 kilometres north of the mouth of the Westfall River.

CLAIMS: MAKALU (20 units), MAK (7 units).

OWNER: UNION OIL COMPANY OF CANADA LTD., 335 Eighth Avenue SW, Calgary, Alberta.
METAL: (Tungsten).
DESCRIPTION: Sedimentary rocks are part of the upper division of the Proterozoic Horsethief Creek Group and here are dominantly siltstone with three limestone horizons. The sedimentary rocks are intruded by Cretaceous (?) biotite granite. Sulphides are rare. Scheelite occurs in skarn with sulphides.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 297 soil and 14 rock samples analysed for molybdenum and tungsten, on Makalu.
REFERENCE: Assessment Report 8645.

FE, MONITOR **(Fig. E-1, NTS 82, No. 294)**

LOCATION: Lat. 51° 00′ Long. 117° 00′ (82K/14E, 15W; 82N/3E, 2W)
GOLDEN M.D. The centre of the property is about 25 kilometres south of Golden; Spillimacheen River runs through a large portion of the property.
CLAIMS: DEB 1 to 80 (total 1180 units).
OWNER: FIRST NUCLEAR CORP., 1210, 10045 – 111th Street, Edmonton, Alberta T5K 1K4.
METALS: Copper, lead, zinc.
DESCRIPTION: The property is underlain by fine clastic to coarse clastic rocks of the Horsethief Creek Group, Hadrynian Windermere series. Carbonate beds 15-30 metres thick occur with black pyritic slate sequences. Principal structures on the property are a western anticlinorium, an east-central synclinorium, and an eastern high-angle thrust fault. Copper-lead-zinc mineralization is associated with carbonate-slate horizons.
WORK DONE: Geological mapping, 1:25 000; and geochemical surveys, 1 100 silt and 1 300 rock samples analysed for copper, lead, and zinc and 53 rock samples analysed for gold and silver, covering all claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1936, p. E57 (Monitor); 1967, p. 266 (FE); Assessment Report 8733; Mineral Inventory 82N-5-10, 51; 82K/NW-85, 182, 183.

WELL **(Fig. E-1, NTS 82, No. 300)**

LOCATION: Lat. 50° 49′ Long. 116° 48′ (82K/15W)
GOLDEN M.D. Approximately 55 kilometres west of Radium Hot Springs, covering the headwaters of Rockypoint Creek and Vowell Creek. The claims comprise three non-contiguous groups.
CLAIMS: WELL 1, WELL 3 to 16 (196 units).
OWNERS: D. Grigg and G. R. Siemens.
OPERATOR: AMEX EXPLORATION SERVICES LTD., 1714 Clifford Avenue, Kamloops.
DESCRIPTION: The claims are underlain by sedimentary rocks of the Hadrynian Horsethief Creek Group intruded by dykes, sills, and stocks probably related to the Cretaceous Bugaboo stock. This claim group has not been geologically mapped.
WORK DONE: Geochemical survey, 284 soil samples analysed for lead, zinc, silver, copper, molybdenum, and tungsten and 50 soil samples analysed for gold and barium, on Well 1, 4, 6, 9-16.
REFERENCE: Assessment Report 8713.

AB (Fig. E-1, NTS 82, No. 298)

LOCATION: Lat. 50° 58' Long. 116° 56' (82K/15W) GOLDEN M.D. Approximately 56 kilometres west of Parson, just north of Vermont Creek as it enters Vowell Creek, a small unnamed creek flows through the northern tip of the claim.
CLAIMS: AB 1 to 4.
OWNER: K. L. BURNS, 171 Cardiff Drive NW, Calgary, Alberta.
DESCRIPTION: The claims are underlain by quartzite, argillite, pebble conglomerate, and limestone of the Horsethief Creek series (Precambrian). Rock outcrops are sparse.
WORK DONE: Prospecting.
REFERENCE: Assessment Report 8518.

VERNON 82L

LYNX, KISMET (Fig. E-1, NTS 82, No. 301)

LOCATION: Lat. 50° 06' Long. 118° 23' (82L/1W) VERNON M.D. Forty-three kilometres southeast of Lumby, 3 kilometres north-northwest of Eureka Mountain on the east tributary of Trapp Creek.
CLAIM: LYNX (16 units).
OWNER: Hi-Cor Resources Ltd.
OPERATOR: D. VIGOURET, 5316 Fleming Street, Vancouver V5P 3G9.
METAL: (Gold).
DESCRIPTION: Quartz veins cutting granite are found to contain free gold, pyrite, arsenopyrite, and lesser amounts of galena.
WORK DONE: Prospecting and trenching.
REFERENCES: Mineral Inventory 82L/SE-55; *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 156.

BEL (Fig. E-1, NTS 82, No. 316)

LOCATION: Lat. 50° 12' Long. 118° 25' (82L/1W) VERNON M.D. Forty kilometres due east of Lumby, just east of Silver Bell Creek, between Monashee and Currie Creeks.
CLAIM: BEL (10 units).
OWNER: W. Kovacevic.
OPERATOR: MINETA RESOURCES LTD., 2204, 650 West Georgia Street, Box 11580, Vancouver V6B 4N7.
METALS: (Silver, gold, lead).
DESCRIPTION: The local situation is of argillite (Triassic Sicamous Formation, Slocan Group) lying between Monashee Group granitic gneiss to the northwest and Nelson batholith to the south. Argentiferous galena and auriferous sulphides occur in quartz veins.
WORK DONE: 1979 – prospecting and trenching.
REFERENCES: Mineral Inventory 82L/SE-54; Assessment Report 8063.

TOP (Fig. E-1, NTS 82, No. 303)

LOCATION: Lat. 50° 04.5′ Long. 118° 33′ (82L/2E)
VERNON M.D. Approximately 4.5 kilometres north from the McIntyre Creek–Kettle River junction with tributaries from McIntyre Creek running through the property.

CLAIMS: TOP 1 to 12.

OWNER: J. E. Irwin.

OPERATOR: BRICAN RESOURCES LTD., c/o Box 795, Vernon.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by granitic rocks of the Nelson batholith (Jurassic). Pyrite and arsenopyrite occur in a shear zone.

WORK DONE: Linecutting, 3.9 kilometres, on Top 1-4; and geochemical survey, 10 silt samples analysed for gold and silver and 57 soil samples analysed for gold, silver, mercury, arsenic, and copper, on Top 1, 3, and 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 98; 1974, p. 88; Assessment Reports 4946, 9304; Mineral Inventory 82L/SE-17.

CARRYON, SNAFU (Fig. E-1, NTS 82, No. 304)

LOCATION: Lat. 50° 10.5′ Long. 118° 33′ (82L/2E)
VERNON M.D. Approximately 8.5 kilometres northwest of Monashee Pass; claim is cut on northwest corner by Half Mile Creek.

CLAIMS: CARRYON (2 units), CARRYON TWO (2 units), SNAFU (4 units).

OWNER: T. ARCHIBALD, Box 340, Saanichton.

DESCRIPTION: Outcrops are scarce, those observed consist of shales with some thin quartz veins and occasional pyrite.

WORK DONE: Geochemical survey, 130 soil samples taken and 66 analysed for arsenic and mercury, on Carryon Two.

REFERENCE: Assessment Report 8993.

MIDNIGHT NAILS (Fig. E-1, NTS 82, No. 302)

LOCATION: Lat. 50° 11′ Long. 118° 32.5′ (82L/2E)
VERNON M.D. Approximately 5 kilometres southeast of Hilton, with Monashee Creek cutting through the claim group 1 kilometre east of the junction of Half Mile Creek and Monashee Creek.

CLAIMS: MIDNIGHT NAILS 1 and 2.

OWNER: E. ARCHIBALD, 1276 Rudlin Street, Victoria.

DESCRIPTION: Outcrops are scarce; country rock seen consists of shale with some thin quartz veins. A quartz vein approximately 0.75-metre wide is exposed to a depth of 2 metres. It contains small amounts of galena and returned gold-silver values on assay.

WORK DONE: Geochemical survey, 38 soil samples analysed for arsenic and mercury, on both claims.

REFERENCE: Assessment Report 8770.

NOVA, TICK (Fig. E-1, NTS 82, No. 305)

LOCATION: Lat. 50° 04′ Long. 119° 25′ (82L/3W)
VERNON M.D. Approximately 5.7 kilometres south-southeast of Carrs, following the shore of Wood Lake on the west shore.

CLAIMS: WOODSDALE 1 (16 units), WOODSDALE 4 (3 units).

(82L/4)

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Shuswap gneisses are cut by Jurassic quartz monzonite porphyry and by a plug of Tertiary intrusive rhyolite with minor quartz and K-feldspar. Rocks of the rhyolite unit host molybdenum mineralization just south of the property. One molybdenum mineralization is known on the property.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 122 soil samples analysed for zinc, manganese, and molybdenum, on Woodsdale 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 98; Assessment Reports 1208, 1209, 1614, 1817, 7883, 8922; Mineral Inventory 82L/SW-2, 3.

AT, DUN (Fig. E-1, NTS 82, No. 309)

LOCATION: Lat. 50° 06′ Long. 119° 43′ (82L/4)
VERNON M.D. Approximately 22 kilometres west of Okanagan Centre. Esperon Lake lies 500 metres north of claims and Whiterocks Mountain lies in southern section of claims.

CLAIMS: ESPERON 1 to 12, 14 to 18 (totalling 179 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: Molybdenum, copper.

DESCRIPTION: The property is underlain by calc-alkaline and alkaline intrusive rocks with large xenoliths of Cache Creek sedimentary rocks. The intrusive rock is the Esperon phase of the Late Jurassic Okanagan Complex; most of the fracture-controlled molybdenum is associated here. Cutting the Esperon phase is diorite of the Terrace phase; little quartz and no molybdenum are associated here. Later intrusive rocks are recognized but are not associated with molybdenum.

WORK DONE: Geological mapping, 1:5000; linecutting, 72 kilometres; induced polarization survey, 27.4 kilometres; ground magnetometer survey, 23.4 kilometres; percussion drilling, 5 holes, 493.78 metres; and geochemical survey, 1 236 soil samples analysed for molybdenum, covering Esperon 1-4, 12, 14-16, 18.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 99, 100; Assessment Report 8664; Mineral Inventory 82L/SW-51.

HUDSON (Fig. E-1, NTS 82, No. 308)

LOCATION: Lat. 50° 11′ Long. 119° 44′ (82L/4)
VERNON M.D. Approximately 16 kilometres west of Ewing on Okanagan Lake, 4 kilometres north of Shorts Creek and 5 kilometres south of Whiteman Creek, covering Hudson Bay Lake.

CLAIMS: HUDSON 1 (18 units), HUDSON 2 (8 units), HUDSON 3 (12 units).

OWNER: BANQWEST RESOURCES LTD., 650, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The property is underlain by granitic plutonic rocks (Jurassic ?) and Tertiary volcanic and sedimentary rocks.

WORK DONE: Linecutting, 16.1 kilometres; and geochemical survey, 149 soil samples analysed for molybdenum, on Hudson 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 102; Assessment Reports 7525, 8658.

ASH (Fig. E-1, NTS 82, No. 311)

LOCATION: Lat. 50° 11.5′ Long. 119° 44′ (82L/4) VERNON M.D. Approximately 24.5 kilometres northeast of the junction of Nicola River and Alocin Creek and 15.5 kilometres north of Esperon Lake.

CLAIMS: ASH 1 (8 units), ASH 2 (12 units).

OWNER: Bardon Explorations Ltd.

OPERATOR: BRENDA MINES LTD., Box 420, Peachland.

METAL: (Molybdenum).

DESCRIPTION: With the exception of a narrow zone of argillite (Cache Creek Group) the property is predominantly underlain by basalt flows (Kamloops Group) to the north and granodiorite (Coast intrusions) to the south. Granodiorite hosts small molybdenite rosettes in quartz veins, also pyrite-molybdenite occurs in the argillite-granodiorite contact.

WORK DONE: Geological mapping, 1:7500; and geochemical survey, 551 soil samples analysed for copper, molybdenum, lead, and zinc, covering both claims.

REFERENCE: Assessment Report 9487.

WHITE ELEPHANT (Fig. E-1, NTS 82, No. 306)

LOCATION: Lat. 50° 09′ Long. 119° 33′ (82L/4E) VERNON M.D. Twenty-four kilometres southwest of Vernon, 4 kilometres west of Okanagan Lake and 2 kilometres east-northeast of the junction of McMullen and Shorts Creeks.

CLAIM: WHITE ELEPHANT (Lot 4800).

OWNER: B.T. MULOIN, Box 1312, Fort St. James, V0J 1P0.

METALS: Gold, silver, tungsten, copper, bismuth, tellurium.

DESCRIPTION: Lenses of pyrrhotite and veinlets of pyrite and chalcopyrite, all of which have been partially replaced by tetradymite, occur in a body of vitreous quartz.

WORK DONE: Geological mapping.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 100; *Geol. Surv., Canada*, Sum. Rept. 1931, pp. 86-90; Mineral Inventory 82L/SW-42.

LOCH (Fig. E-1, NTS 82, No. 310)

LOCATION: Lat. 50° 12.5′ Long. 119° 36′ (82L/4E) VERNON M.D. Approximately 25 kilometres southwest of Vernon, lying 5 kilometres southwest of the junction of Whiteman Creek and South Whiteman Creek.

CLAIMS: LOCH 1 (12 units), LOCH 2 (18 units), LOCH 3 (9 units), LOCH 4 (3 units), LOCH 5 (8 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

DESCRIPTION: The property is underlain by Paleozoic to possibly Triassic metasedimentary rocks that were intruded by mafic monzonites and quartz monzonites of Jurassic age and then intruded by granitic rocks of Tertiary age. Coeval volcanic rocks that are associated with and intruded by the Tertiary Coryell plutonic rocks overlie much of the southern area.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 216 soil and 50 rock samples analysed for molybdenum and fluorine, 37 rock samples analysed for copper, zinc, and manganese; 12 rock samples analysed for barium, iron, silicon, and rubidium and 12 rock samples analysed for multi-elements.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 100; Assessment Reports 5692, 6052, 6738, 7811, 8905.

WHITEMAN (Fig. E-1, NTS 82, No. 307)

LOCATION: Lat. 50° 13′ Long. 119° 39′ (82L/4E)
VERNON M.D. Twenty-seven kilometres west of Vernon on the upper reaches of Whiteman Creek, 6.5 kilometres due south of Bouleau Lake.

CLAIMS: WHITEMAN 1, 2, III (total 33 units).

OWNERS: Kennco Explorations, (Western) Ltd. and Arcturus Mines Ltd.

OPERATOR: ARCTURUS MINES LTD., 806, 602 West Hastings Street, Vancouver.

DESCRIPTION: The property is underlain by Nicola and Kamloops andesitic rocks, Whiteman porphyritic stock, and older granodiorite. The rocks are pyritic, altered, and contain gypsum and anhydrite in fractures.

WORK DONE: Geological mapping, 1:5000, on Whiteman 1, 2, and III; diamond drilling, 2 NQ holes, totalling 930.9 metres, on Whiteman 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 93; 1979, p. 101; Assessment Reports 6738, 7397, 8146.

ALFY, BEAR (Fig. E-1, NTS 82, No. 312)

LOCATION: Lat. 50° 01′ Long. 119° 47′ (82E/13; 82L/4W)
Report on this property in Metals section 82E/13.

KENNALLAN (BUM, YOKAHAMA) (Fig. E-1, NTS 82, No. 314)

LOCATION: Lat. 50° 27′ Long. 119° 49′ (82L/5W)
KAMLOOPS M.D. Two kilometres southwest of Westwold, 4 kilometres east of Stephens Lakes.

CLAIM: MOLLY (16 units).

OWNER: DENAR MINES LTD., 33825 South Fraser Way, Abbotsford.

METALS: Molybdenum, (copper, gold, silver, tungsten).

DESCRIPTION: The claim group is underlain by Tertiary volcanic rocks of the Kamloops Group, a portion of which has been eroded to expose a small window of older rocks. These older rocks consist of Cache Creek sedimentary rocks intruded by a small granitic stock. A portion of the property dealt with in this report lies completely within the area of Cache Creek rocks. The map-area is underlain by a sequence of fine-grained, cherty siltstones and argillites in places converted to hornfels, and several bands of recrystallized limestone which strike slightly east and west of north and dip moderately to the west. Portions of the limestone have been converted to skarn. The skarn is primarily found in two zones which parallel the general attitude of the sedimentary rocks. It varies from less than 0.348 metre to over 2.438 metres in thickness, pinching and swelling over short distances. It is a greenish brown rock made up predominantly of diopside and garnet with lesser quartz, calcite, and wollastonite.

WORK DONE: Diamond drilling, 13 NQ holes, totalling 1 031 metres; and geochemical survey, 476 samples analysed for molybdenum, copper, silver, gold, and tungsten, on Molly.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 95; 1979, p. 103; Assessment Reports 282, 2360; Mineral Inventory 82L/SW-43, 45.

SKOOKUM (Fig. E-1, NTS 82, No. 315)

LOCATION: Lat. 50° 21′ Long. 119° 22′ (82L/6W)
VERNON M.D. Twelve kilometres northwest of Vernon on the headwaters of Newport Creek.

CLAIMS: TICK (20 units), TOCK (6 units).

OWNER: M. BOE, 14, 1091 Broughton Street, Vancouver V6G 2A9.

METALS: Gold, silver, copper, molybdenum, lead.

DESCRIPTION: Mineralization occurs in highly fractured quartz veins in argillaceous sedimentary rocks. Mineralization consists of disseminated pyrite, chalcopyrite, tetrahedrite, galena, gold, and malachite.

WORK DONE: Percussion drilling and sampling, on both claims.

REFERENCES: *Geol. Surv., Canada*, Mem. 296, pp. 146-150; *Minister of Mines, B.C.*, Ann. Rept., 1951, p. 43; Assessment Report 2552; Mineral Inventory 82L/SW-13, 14, 15.

PAB (Fig. E-1, NTS 82, No. 317)

LOCATION: Lat. 50° 30′ Long. 118° 58′ (82L/7W, 10W)
VERNON M.D. Approximately 33 kilometres north of Lumby, with the junction of Shuswap River and Trinity Creek lying 3.5 kilometres north of the claims.

CLAIMS: PAB 1, PAB 4 (12 units each).

OWNERS: J. S. Adamson and E. Peacher.

OPERATOR: J. S. ADAMSON, 539 47th Avenue SW, Calgary, Alberta T2S 1C5.

DESCRIPTION: The mineralized area lies on the contact between the Tertiary volcanic rocks and the Monashee Formation. The Monashee Formation is made up of phyllites, quartzites, limestones, and intraformational conglomerate. The Tertiary consists of volcanic and sedimentary rocks.

WORK DONE: Ground electromagnetic survey, 2.65 kilometres; and geochemical survey, 96 soil samples analysed for copper and zinc and 6 soil samples analysed for lead, covering both claims.

REFERENCE: Assessment Report 8991.

JUNE (Fig. E-1, NTS 82, No. 253)

LOCATION: Lat. 50° 27′ Long. 118° 00′ (82K/5W, 12W; 82L/8E)
Report on this property in Metals section 82K/5W, 12W.

MOUNT IDA (Fig. E-1, NTS 82, No. 319)

LOCATION: Lat. 50° 39′ Long. 119° 15′ (82L/11)
KAMLOOPS M.D. Approximately 5 kilometres southeast of Salmon Arm; Leonard Creek and Hobson Creek cut through the northwest part of group.

(82L/12E)

CLAIMS: ARM 1 (20 units), ARM 2 (12 units), IDA 1 (20 units), IDA 2 (20 units), IDA 3 (20 units), IDA 4 (20 units).
OWNER: WARE RESOURCES LTD., 311, 543 Granville Street, Vancouver V6C 1X8.
METALS: Silver, lead.
DESCRIPTION: The claim group is underlain by five lithological units: the Silver Creek, Mara, and Sicamous Formations intruded by the Coast intrusions of argillic rocks and overlain by the Kamloops Group of basaltic lava rocks.
WORK DONE: Geochemical survey, 1 129 soil samples analysed for silver, lead, and zinc, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 240; Assessment Report 8995; Mineral Inventory 82L/NW-7, 8, 22.

BOLEAN (Fig. E-1, NTS 82, No. 320)

LOCATION: Lat. 50° 32′ Long. 119° 34′ (82L/12E)
KAMLOOPS M.D. Approximately 1.6 kilometres north of the town of Falkland and 3.5 kilometres west of the southern tip of Bolean Lake.
CLAIM: BOLEAN (20 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
DESCRIPTION: Northwesterly trending foliated metavolcanic and metasedimentary rocks (Paleozoic-Triassic) are intruded by Nelson or Valhalla granodiorite. Lenses of gypsum occur throughout the stratigraphy. Minor pyrite, chalcopyrite, malachite, graphite, and magnetite occur in quartz-carbonate veins and brecciated volcanic rocks.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 134 soil samples analysed for copper, zinc, and molybdenum, on Bolean.
REFERENCE: Assessment Report 8161.

QUEEST (Fig. E-1, NTS 82, No. 325)

LOCATION: Lat. 50° 58′ Long. 118° 53′ (82L/12W; 82M/2W)
KAMLOOPS and REVELSTOKE M.D. Approximately 19 kilometres north-northeast of Sicamous.
CLAIMS: COYOTE 1 to 29, 30 Fraction, 31, 32 Fraction, 33 Fraction (total 558 units).
OWNER: HUDSON'S BAY OIL & GAS CO. LTD., 700 Second Street SW, Calgary, Alberta.
METALS: Copper, molybdenum.
DESCRIPTION: The claim area is underlain by multideformed metasedimentary and metavolcanic rocks probably correlative with the Paleozoic Eagle Bay Formation. This rock sequence has been intruded by two plutonic phases and later stage derivatives. Stratiform massive pyrite, pyrrhotite, and minor chalcopyrite and molybdenite are exposed in trenches.
WORK DONE: Geological mapping, 1:10 000; ground magnetometer survey, 36 kilometres; linecutting, 111 kilometres; induced polarization survey, 30 kilometres; and geochemical survey, 2 941 soil, 451 rock, and 214 silt samples analysed for molybdenum, copper, lead, zinc, and silver, 37 water samples analysed for molybdenum, copper, lead, zinc, fluorine, and uranium, on Coyote 3-10, 13-16, 18, 26-29, 31, 32 Fraction.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 84; Assessment Report 9567; Mineral Inventory 82L/NE-14, 30.

NIK (Fig. E-1, NTS 82, No. 321)

LOCATION: Lat. 50° 59' Long. 119° 35.5' (82L/13E)
KAMLOOPS M.D. Approximately 11.5 kilometres north-northeast of the northern tip of Little Shuswap Lake, with Nikwikwaia Creek cutting through the centre of claims in a south-north direction.

CLAIMS: NIK 1 (4 units), NIK 2 (8 units).

OWNER: CANADIAN NICKEL CO. LTD., 80, 10551 Shellbridge Way, Richmond V6X 2W9.

METALS: Copper, silver, zinc.

DESCRIPTION: Nicola Group rocks exposed near the south boundary of the claim block are in thrust contact with the Eagle Bay Formation. The contact is not exposed within the porphyry. The acid volcanic facies of the Eagle Bay Formation is characterized by a siliceous, quartz-eye chlorite schist associated with a lens or layer of mafic-ultramafic rock containing limited massive pyrrhotite with sphalerite, galena, and minor chalcopyrite.

WORK DONE: Geological mapping, 1:5000 and 1:2500; ground electromagnetic survey, 7.93 kilometres; ground magnetometer survey, 3.74 kilometres; and geochemical survey, 184 soil and 16 rock samples analysed for copper, lead, and zinc, covering both claims.

REFERENCES: *Geol. Surv., Canada*, Map 637; Assessment Report 8800; Mineral Inventory 82L/NW-53.

SERPENT (Fig. E-1, NTS 82, No. 331)

LOCATION: Lat. 51° 00' Long. 117° 47' (82M/4W, 82L/13W)
Report on this property in 82M/4W.

COPPER CUP (Fig. E-1, NTS 82, No. 323)

LOCATION: Lat. 50° 53.5' Long. 119° 19' (82L/14W)
KAMLOOPS M.D. Approximately 11 kilometres north of Tappen Bay on Shuswap Lake, with Perris Creek cutting the northwest corner of the claim group.

CLAIMS: BAY 1 (20 units), BAY 2 (18 units).

OWNER: CANADIAN NICKEL CO. LTD., 80, 10551 Shellbridge Way, Richmond V6X 2W9.

METALS: Copper, lead, zinc, gold, silver.

DESCRIPTION: Most of the property is underlain by rocks of the Triassic Sicamous Formation and Nicola Group. A thrust contact with Eagle Bay Formation and the Milford and Kaslo Groups is plotted at the northeast corner. The Sicamous Formation here is graphitic limestones and calcareous phyllites grading upward into pearly talcose schists, chloritic phyllites, and quartz-eye sericite schists of the Nicola Group.

WORK DONE: Geological mapping, 1:10 000; ground electromagnetic survey, 17.4 kilometres; ground magnetometer survey, 3 kilometres; and geochemical survey, 51 soil samples analysed for copper, lead, and zinc and 21 rock samples analysed for copper, lead, zinc, gold, and silver, covering both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1930, p. 183; Assessment Report 8815; Mineral Inventory 82L/NW-18, 19, 20.

IRON MAIDEN (Fig. E-1, NTS 82, No. 324)

LOCATION: Lat. 50° 58′ Long. 119° 28′ (82L/14W)
KAMLOOPS M.D. Approximately 8.5 kilometres west-northwest of Celista, west of Scotch Creek approximately 5 kilometres directly north of the junction of Ashby Creek and Scotch Creek.
CLAIM: HARWAY (6 units).
OWNER: B. A. WAYTUCK, 4216 Vandyke Place NW, Calgary, Alberta T3A 0J8.
METALS: Gold, lead, zinc, nickel.
DESCRIPTION: An exposure of quartz porphyry was found in the stream and it is noted that basalt forms one wall of the adit. The other adit wall is not described but chalcopyrite and sphalerite were recognized.
WORK DONE: Prospecting.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1975, p. 55; Exploration in B.C., 1976, p. E 57; Assessment Reports 5433, 5682, 5837, 9153; Mineral Inventory 82L/NW-15.

MOLY (Fig. E-1, NTS 82, No. 326)

LOCATION: Lat. 50° 58.5′ Long. 118° 47.5′ (82L/15W)
REVELSTOKE M.D. Approximately 21 kilometres northeast of Mara Lake with Legerwood Crescent cutting through the northeast corner of the claim group.
CLAIM: MAL 1 (20 units).
OWNER: BP MINERALS LTD., 333 Fifth Avenue SW, Calgary, Alberta T2P 3B6.
METAL: Molybdenum.
DESCRIPTION: The Mal 1 is underlain by gneiss, quartzite, and quartz-biotite schist of the Monashee Group. At a contact between metagranitoid and granodiorite gneiss is a sericitized molybdenite-bearing shear zone striking northerly and dipping north-south to 45 degrees westward.
WORK DONE: Linecutting, 32.4 kilometres; diamond drilling, 2 BQ holes, totalling 177 metres; induced polarization survey, 23 kilometres; and geochemical survey, 87 rock samples analysed for molybdenum, copper, lead, silver, tungsten, fluorine and 900 soil samples analysed for copper, molybdenum, lead, zinc, silver, fluorine, and tungsten, on Mal 1.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 104; Assessment Report 3163, 4369, 9585; Mineral Inventory 82L/NE-12.

SEYMOUR ARM (82M)

BON (Fig. E-1, NTS 82, No. 327)

LOCATION: Lat. 51° 07′ Long. 118° 25′ (82M/1W)
REVELSTOKE M.D. Approximately 24 kilometres northwest of Revelstoke covering Mount Copeland, extending from Copeland Creek on the north to Hiren Creek on the south.
CLAIMS: BON 1 to 3 (20 units each).
OWNER: BRENDA MINES LTD., Box 420, Peachland.

DESCRIPTION: Biotite schist, grey gneiss, white quartzite, calc-silicate gneiss with concordant bodies of nepheline syenite gneiss, marble and grey gneiss forming part of a fringing *zone around* the Frenchman Cap gneiss, a gneiss dome on the east border of the Shuswap Complex.

WORK DONE: Prospecting, covering all claims.

REFERENCE: Assessment Report 8752.

QUEEST (Fig. E-1, NTS 82, No. 325)

LOCATION: Lat. 50° 58' Long. 118° 53' (82L/12W; 82M/2W)
Report on this property in Metals section 82L/12W.

RED, FIR, MIKE (Fig. E-1, NTS 82, No. 328)

LOCATION: Lat. 51° 05' Long. 119° 25' (82M/3W)
KAMLOOPS M.D. Between Shuswap and Adams Lakes, 6 kilometres northeast of the junction of Kwikoit and Scotch Creeks.

CLAIMS: RED (6 units), FIR (3 units), PAT (2 units), JOE (3 units), JIM (6 units), DON (2 units), MIKE (12 units), PHIL (4 units), JERRY (20 units), ROB (6 units), MACK (6 units), ROLY (20 units), SILVER GAL (6 units).

OWNER: ORELL RESOURCES LTD., Box 1386, Salmon Arm V0E 2T0.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: Phyllite, limestone, and greenstone dipping westerly are intruded by granitic dykes near the Scotch Creek intrusive mass. Galena with silver occurs in limestone adjacent to greenstone accompanied by massive, relatively barren quartz.

WORK DONE: Prospecting, covering all claims; geological mapping 1:5000, covering Fir, Don, Red, Pat, Mike, and Joe; and geochemical survey, 570 soil samples analysed for silver, lead, and zinc, covering Fir, Don, Red, Pat, Mike, Jim, and Silver Gal.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E102; 1979, p. 108; Assessment Reports 2776, 6388, 7371, 8348; Mineral Inventory 82M-154, 164.

MOSQUITO KING (Fig. E-1, NTS 82, No. 329)

LOCATION: Lat. 51° 03' Long. 119° 31' (82M/4E)
KAMLOOPS M.D. On Adams Plateau, 5 kilometres south-southwest of Pisima Mountain, east of the headwaters of Nikwikwaia Creek.

CLAIMS: A 1 and 2, FOX (4 units), MK 1 (20 units), MK 2 (10 units) MK 3 (12 units), MK 4 (4 units), HILTEC 1 and 2, ELK 5 and 8 Fractions, SPAR 1 and 2, SILVER KING, SILVER KING 1 to 4, CAT 2, CAT 1 and 2 Fractions.

OWNER: ORELL RESOURCES LTD., Box 1386, Salmon Arm V0E 2T0.

METALS: Silver, lead, zinc, (copper, gold).

DESCRIPTION: Argillaceous and cherty rocks including tuff and limestone have undergone minor dragfolding, dip gently northward, and are cut by northerly striking granitic dykes. Pyrite, quartz, argentiferous galena, sphalerite, pyrrhotite, minor chalcopyrite, magnetite, and gold occur in zones nearly conformable to the bedding.

WORK DONE: Geological mapping, 1:1000; and sampling, on A 1 and A2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 110; Assessment Reports 4932, 5176, 5919, 6349, 6420, 6788, 6913, 8131; Mineral Inventory 82M-16, 140.

SERPENT (Fig. E-1, NTS 82, No. 331)

LOCATION: Lat. 51° 00' Long. 117° 47' (82M/4W; 82L/13W)
KAMLOOPS M.D. Approximately 27 kilometres south of South Barriere Lake, with Skwaam Bay on Adams Lake lying 8 kilometres north of the property.

CLAIM: SERPENT 1 (18 units).

OWNER: CANADIAN NICKEL CO. LTD., 80, 10551 Shellbridge Way, Richmond V6X 2W9.

METAL: Copper.

DESCRIPTION: A thick succession of siltstones, sandstones, shales, and minor limestone of the Carboniferous Milford Group structurally overlies massive greenstones and serpentinized ultramafic rocks of the Permian Kaslo Group. Together these units have been overturned and thrust over the graphitic limestones and phyllites of the Upper Triassic Sicamous Formation. Sulphides are associated with acid volcanic rocks at the Milford-Kaslo contact.

WORK DONE: Geological mapping, 1:10 000 and 1:2000; ground electromagnetic survey, 21.3 kilometres; ground magnetometer survey, 12.3 kilometres; and geochemical survey, 208 soil samples analysed for copper, lead, and zinc, covering Serpent.

REFERENCES: Assessment Report 8799; Mineral Inventory 82L/NW-51.

HOMESTAKE (Fig. E-1, NTS 82, No. 330)

LOCATION: Lat. 51° 07' Long. 119° 51' (82M/4W)
KAMLOOPS M.D. Approximately 53 kilometres south of Birch Island, 5 kilometres northwest of Skwaam Bay on Adams Lake.

CLAIM: HOMESTAKE (Lot 827).

OWNERS: KAMAD SILVER CO. LTD. and CANADIAN RESERVE OIL & GAS LTD., 2160, 1066 West Hastings Street, Vancouver.

METALS: Silver, lead, zinc, barite.

DESCRIPTION: Massive barite lenses with some galena, sphalerite, and tetrahedrite occur within pyritiferous quartz sericite schist.

WORK DONE: Underground development.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 114; Mineral Inventory 82M-25.

TWIN MOUNTAIN (Fig. E-1, NTS 82, No. 332)

LOCATION: Lat. 51° 07.5' Long. 119° 47' (82M/4W)
KAMLOOPS M.D. Approximately 51.5 kilometres south of the townsite of Vavenby; claims lie 5.7 kilometres north of the northern tip of Skwaam Bay on Adams Lake.

CLAIMS: TWIN 1 (18 units), TWIN 2 (12 units), TWIN 3 (9 units).

OWNER: C. GRAF, 1015, 837 West Hastings Street, Vancouver V6C 1C4.

METALS: Silver, lead, zinc, copper, gold, barite.

DESCRIPTION: Quartz-barite-dolomite veins are contained in quartz-sericite pyritic schists in a sequence of thicker more widespread greenstones and chlorite schists of the Eagle Bay Formation.

WORK DONE: Geological mapping, 1:10 000, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 234; Assessment Reports 1783, 2093, 8942; Mineral Inventory 82M-20.

HALL (Fig. E-1, NTS 82, No. 334)

LOCATION: Lat. 51° 19′ Long. 119° 52′ (82M/5W)
KAMLOOPS M.D. Twenty-two kilometres northeast of Barriere, covering the mouth of Harper Creek at the west end of North Barriere Lake.
CLAIM: HALL (20 units).
OWNER: CYPRUS ANVIL MINING CORP., 330, 355 Burrard Street, Vancouver.
DESCRIPTION: The Hall claim is underlain by metamorphosed volcanic and sedimentary chlorite schists, sericite schists, and calcareous graphitic argillites of the Eagle Bay Formation, and two felsic dykes. The rocks have undergone isoclinal deformation.
WORK DONE: Geological mapping, 1:5000; linecutting, approximately 22 kilometres; ground eletromagnetic and ground magnetometer surveys, 22 kilometres each; and geochemical survey, 426 soil and silt samples analysed for copper, lead, zinc, and silver, covering Hall.
REFERENCE: Assessment Report 8210.

BC (Fig. E-1, NTS 82, No. 335)

LOCATION: Lat. 51° 20′ Long. 119° 54′ (82M/5W)
KAMLOOPS M.D. Approximately 3 kilometres northwest of the southwest tip of North Barriere Lake; Harper Creek cuts through the south centre of the claim group approximately 1 kilometre north of North Barriere Lake.
CLAIMS: BC 1 (15 units), PERCY 1 (9 units).
OWNER: R. L. Kemeny.
OPERATOR: STOKES EXPLORATION MANAGEMENT CO. LTD., 713, 744 West Hastings Street, Vancouver V6C 1A5.
DESCRIPTION: The claims are underlain by metamorphosed volcanic and minor sedimentary rocks of Mississippian Eagle Bay Formation. Volcanic rocks are a major unit of felsic tuffs and flows including quartz porphyry rhyolite. Other rocks are dacitic to andesitic tuffs, sedimentary rocks, and carbonaceous, in part graphitic, phyllite with minor limestone and quartz exhalite.
WORK DONE: Geological mapping, 1:50 000 and 1:1220, covering Percy.
REFERENCE: Assessment Report 8489.

ENARGITE (Fig. E-1, NTS 82, No. 333)

LOCATION: Lat. 51° 21′ Long. 119° 59.5′ (82M/5W)
KAMLOOPS M.D. Twenty-eight kilometres south of Birch Island station, on Birk Creek.
CLAIMS: ENARGITE 1 to 40.
OWNER: Kam Creed Mines Ltd.
OPERATORS: D. L. RABBITT and R. A. RABBITT, Malakwa.
METALS: Silver, lead, zinc, copper, gold.
WORK DONE: Trenching, 382 metres total length, on Enargite 1-3.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1975, p. 57; Exploration in B.C., 1976, p. E63; 1978, p. E108; Mineral Inventory 82M-65.

BAR–BARRIERE (Fig. E-1, NTS 82, No. 336)

LOCATION: Lat. 51° 24′ Long. 119° 52′ (82M/5W)
KAMLOOPS M.D. Approximately 21 kilometres southwest of Vavenby; with Harp Mountain lying on the northeast corner of claim group.

CLAIMS: TONY 1 and 2 (20 units each), TONY 3 (18 units), TONY 4 (6 units), TONY 5 (9 units).

OWNER: *API MINERAL EXPLORATION* CORP., 805, 333 Seventh Avenue SW, Calgary, Alberta T2P 2Z1.

METALS: Molybdenum, copper.

DESCRIPTION: The property is underlain by intrusive rocks related to the Cretaceous Baldy batholith. The drill core is mainly quartz monzonite and the area of the principal showing is quartz monzonite and granodiorite. Molybdenite occurs as fracture coatings and disseminations.

WORK DONE: Diamond drilling, 1 BQ hole, totalling 305 metres; and geochemical survey, 30 silt samples analysed for molybdenum and 13 for mercury, silver, and molybdenum, covering Tony 1-4.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1966, p. 144; Assessment Report 8952; Mineral Inventory 82M-62.

LEN (Fig. E-1, NTS 82, No. 337)

LOCATION: Lat. 51° 25' Long. 120° 00' (82M/5W; 92P/8E)
KAMLOOPS M.D. Approximately 30 kilometres southwest from Vavenby with Dunn Peak 5 kilometres east.

CLAIMS: LEN 1 (18 units), LEN 2 (15 units).

OWNER: API MINERAL EXPLORATION CORP., 805, 333 Seventh Avenue SW, Calgary, Alberta T2P 2Z1.

WORK DONE: Induced polarization survey and ground magnetometer survey, 6.5 kilometres each, covering Len 1.

REFERENCE: Assessment Report 9020.

RIO (Fig. E-1, NTS 82, No. 338)

LOCATION: Lat. 51° 19' Long. 119° 11' (82M/6E)
KAMLOOPS M.D. Approximately 66 kilometres northeast of Chase, 2 kilometres west of the most southern tip of Stukemapten Lake.

CLAIMS: CAN 1 to 6 (1 unit each).

OWNER: DENISON MINES LTD., 650 West Georgia Street, Vancouver.

METALS: Copper, tungsten.

DESCRIPTION: The property lies within the Shuswap metamorphic terrane. In the claim area there is a thick sequence of quartz-biotite schists with local bands of marmorized limestone intruded by a mass of porphyritic biotite quartz monzonite. Scheelite and minor chalcopyrite occur in pyrrhotite-rich skarn boulders.

WORK DONE: Geological mapping, 1:5000; and 3 silt samples and 3 panned concentrate samples analysed for tungsten, tin, copper, molybdenum, lead, and zinc, covering all claims.

REFERENCES: Assessment Report 9169; Mineral Inventory 82M-116.

STERLING (Fig. E-1, NTS 82, No. 340)

LOCATION: Lat. 51° 23' Long. 118° 25' (82M/8W)
REVELSTOKE M.D. Eight kilometres south-southeast of Downie Creek community running north and east from Eighteen Mile Rapids.

CLAIMS: STERLING 1 to 6 (59 units).

OWNER: Cajac Exploration.

OPERATOR: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3.

METALS: Molybdenum, lead, silver.

DESCRIPTION: The property is underlain by Lardeau Group metasedimentary rocks: quartz-muscovite-chlorite schists with minor calcareous and porphyritic schist interbeds. Molybdenite and galena occur in quartz and quartz-albite veins; galena is more closely associated with quartz-carbonate veins. The veins are present in northwest-trending altered zones in which the schists are silicified and sericitized. Pyrite and pyrrhotite are disseminated throughout the rocks and traces of chalcopyrite occur.

WORK DONE: Geological mapping, 1:2500; and sampling, 219 rock chip samples analysed for copper, molybdenum, lead, zinc, silver, and tungsten, covering all claims; geochemical survey, 18 soil and 32 silt samples analysed for copper, molybdenum, lead, zinc, silver, gold, and tungsten, on Sterling 1, 2, 4, 5, and 6; trenching, 8 metres by 3 metres, on Sterling 4; and ground magnetometer survey, 25 kilometres, covering Sterling 1-4.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1896, p. 537; 1899, p. 737; 1900, p. 891; 1902, p. 299; 1932, p. 181; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 9, pp. 70-73; *Geol. Surv., Canada*, Paper 64-32, p. 34; Mineral Inventory 82M-87, 88.

RUGER (Fig. E-1, NTS 82, No. 339)

LOCATION: Lat. 51° 28' Long. 118° 11' (82M/8E)
REVELSTOKE M.D. Sixty-two kilometres north of Revelstoke, centred at the junction of Downie and Sorcerer Creeks.

CLAIMS: SOC 1 and 2 (20 units each).

OWNER: A. J. Hurlbert.

OPERATOR: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.

METAL: Tungsten.

DESCRIPTION: The claims are underlain by Cambrian quartzites, phyllites, and limestones intruded by a Middle Jurassic (?) granodiorite stock. Contact metamorphism and metasomatism in the intruded rocks developed local skarns in which sulphides and scheelite are found.

WORK DONE: Geological mapping, 1:2500; geochemical survey, 418 soil samples analysed for copper, zinc, lead, molybdenum, and silver; and magnetometer and VLF–EM surveys, 24.5 kilometres each, covering both claims.

REFERENCES: Assessment Reports 6306, 8591; Mineral Inventory 82M-156.

BEND (Fig. E-1, NTS 82, No. 341)

LOCATION: Lat. 51° 38' Long. 118° 33' (82M/10E)
REVELSTOKE M.D. Eighty kilometres north of Revelstoke and 6.5 kilometres east of Highway 23.

CLAIM: BEND (20 units).

OWNER: SEAFORTH MINES LTD., 11003 – 84th Avenue, Edmonton, Alberta T6G 0V6.

DESCRIPTION: The claim area is underlain by muscovite, chlorite and graphitic schists, limestone, and quartzite of the Lardeau Group (Lower Cambrian).

WORK DONE: 1979 – ground electromagnetic survey, 4 kilometres, covering Bend.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E71, E72; 1977, p. E99; Assessment Reports 6176, 6329, 6371, 7867.

D&R **(Fig. E-1, NTS 82, No. 342)**

LOCATION: Lat. 51° 32′ Long. 118° 50′ (82M/10W)
KAMLOOPS AND REVELSTOKE M.D. Approximately 27.5 kilometres south of Gordon Horne Peak and 8 kilometres northeast of the junction of Blais Creek and Seymour River.
CLAIMS: D&R 1 to 8, SHIRLEY.
OWNER: R. D. JOHNSON, 3907 Crestview Road SW, Calgary, Alberta T2T 2L5.
DESCRIPTION: The claims are on the westernmost limb of the Grace Mountain syncline; molybdenum occurs in two places. A sequence of ortho and para-gneisses have undergone kyanite to sillimanite grade metamorphism and several phases of structural deformation.
WORK DONE: 1979 and 1980 – geological mapping, 1:5000; and sampling, covering all claims.
REFERENCE: Assessment Report 8609.

CARIBOO **(Fig. E-1, NTS 82, No. 343)**

LOCATION: Lat. 51° 36′ Long. 119° 22′ (82M/11W)
KAMLOOPS M.D. Twenty-eight kilometres east of Vavenby on the south fork of Otter Creek, 8 kilometres north-northwest of Mica Lake.
CLAIM: SONJA 10 (3 units).
OWNER: RAFT RIVER RESOURCES CO. LTD., Box 70, Vavenby V0E 3A0.
METALS: Copper, molybdenum, gold.
DESCRIPTION: Copper and molybdenite occur in a east-striking vein within volcanic rock. The residual soil is limonitic.
WORK DONE: Eight test pits, 2 metres by 1 metre by 1.5 metres; 2 trenches, 11 metres by 1 metre by 1.5 metres; and road construction, on Sonja 10.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 112; 1979. p. 113; Mineral Inventory 82M-39.

CRISSY **(Fig. E-1, NTS 82, No. 345)**

LOCATION: Lat. 51° 36.5′ Long. 119° 31′ (82M/12E)
KAMLOOPS M.D. Fourteen kilometres east of Vavenby on Reg Christie Creek.
CLAIM: CRISSY 1.
OWNER: RAFT RIVER RESOURCES CO. LTD., Box 70, Vavenby V0E 3A0.
DESCRIPTION: Small quartz vein running east and west in schist and shale.
WORK DONE: Trenching, 5 metres by 1.5 metres by 1.5 metres, on Crissy 1.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 113.

GABRO **(Fig. E-1, NTS 82, No. 344)**

LOCATION: Lat. 51° 39.5′ Long. 119° 38′ (82M/12E)
KAMLOOPS M.D. Ten kilometres northeast of Vavenby, in the river bed of the North Thompson River, 3 kilometres northeast of Irvine Station.
CLAIM: SONJA 11 (2 units).
OWNER: RAFT RIVER RESOURCES CO. LTD., Box 70, Vavenby V0E 3A0.
METALS: Gold, copper, silver, tungsten.

DESCRIPTION: Copper, gold, and silver occur in a gabbroic intrusion on the bottom of the North Thompson River. Copper and tungsten mineralization occurs on the south side of Forestry Road 30, above the river.

WORK DONE: Two trenches, 15 metres by 5 metres by 2 metres and 15 metres by 6 metres by 2 metres, on Sonja 11.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E113; 1979, p. 114; GEM, 1972, p. 91; Mineral Inventory 82M-128.

FOGHORN, JOSEPH (Fig. E-1, NTS 82, No. 347)

LOCATION: Lat. 51° 32′ Long. 119° 58′ (82M/12W; 92P/9E)
KAMLOOPS M.D. Approximately 5 kilometres south of Birch Island.

CLAIMS: JOSEPH 3 to 14 (232 units), FOGGY 1 to 6, 8 to 11 (159 units).

OWNERS: CRAIGMONT MINES LTD., 270, 180 Seymour Street, Kamloops V2C 2E2 and BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Copper, lead, zinc, silver, gold.

DESCRIPTION: Scarce outcrops consist of buff-coloured phyllite and quartz sericite schist of the Eagle Bay succession. Pyrite, minor sphalerite, chalcopyrite, and galena occur in fractures. Siliceous and graphitic tuffite horizons within basalts of the Fennell Formation contain minor amounts of massive sulphide mineralization. The tuffite can be traced around a northerly plunging syncline.

WORK DONE: Geological mapping, 1:5000 and sampling, 2 500 soil samples taken, on Foggy 11; ground electromagnetic survey, 50 kilometres and ground magnetometer survey, 47 kilometres, on the Foggy and Joseph claims; induced polarization survey, 6 kilometres; trenching, 400 metres, Foggy 1, 2, Joseph 7; diamond drilling, 14 AQ holes, totalling 1 000 metres, on Foggy 1, 2, 3 and Joseph 7.

REFERENCES: Mineral Inventory 82M-8, 29, 30, 40, 41, 93, 108; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 98; Exploration in B.C., 1979, pp. 114, 200; Assessment Reports 1597, 1624, 1924, 3820, 4876, 7404, 7757, 7758, 7813, 7990, 8530, 9008.

REXSPAR (Fig. E-1, NTS 82, No. 349)

LOCATION: Lat. 51° 35′ Long. 119° 54′ (82M/12W)
KAMLOOPS M.D. Approximately 2.5 kilometres south of Birch Island Station on the North Thompon River, just east of Foghorn Creek.

CLAIMS: Forty Crown-granted claims including REX 18 (Lot 5399), JANE 3 FR. (Lot 5410), JANE 9 FR. (Lot 5481), BD 2 (Lot 5387) plus approximately 150 claims including JANE 12 Fraction, CS 1 to 14, PA 37 to 46, 49 to 51 Fractions, 52 to 57, 58 and 59 Fractions, TOP 33, 35 to 37, ACTIVE 1, 2 Fraction, 3 to 12, 13 to 17, 80, and 81 Fractions, ELLA 3 to 7 Fractions, RADIO 19 to 26.

OWNER: CONSOLIDATED REXSPAR MINERALS AND CHEMICALS LTD., Box 40, Royal Bank Plaza, Toronto, Ontario M5J 2K2.

METALS: Uranium, fluorite.

DESCRIPTION: Fluorite and uranium oxides disseminated in trachyte with associated pyrite-mica. Trachyte horizon is in a sequence of sedimentary and volcanic rocks.

WORK DONE: 1979 and 1980 – geochemical water quality survey, samples analysed for total solids, dissolved solids, suspended solids, turbidity, alkalinity, hardness, calcium, magnesium, nitrate, ammonia, dissolved iron, zinc, lead, copper, cadmium, total mercury, fluorides, sulphates, plus uranium, lead 210, radium 226, and polonium 210, covering most claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E58, E59; 1976, p. E73; Assessment Reports 1737, 1912, 1913, 2337, 2338, 2339, 2340, 2810, 4032, 4957, 5697, 6064, 6106, 8066; Mineral Inventory 82M-21.

SONJA (BRENDA) (Fig. E-1, NTS 82, No. 346)

LOCATION: Lat. 51° 36' Long. 119° 52' (82M/12W)
KAMLOOPS M.D. Between Vavenby and Birch Island on the north side of the North Thompson River, near the mouth of Crossing Creek.
CLAIMS: SONJA 4 (1 unit), SONJA 13 (2 units).
OWNER: RAFT RIVER RESOURCES CO. LTD., Box 70, Vavenby V0E 3A0.
METALS: Lead, gold, silver, copper, zinc.
DESCRIPTION: Mineralization occurs in schists, shale, and limestone which are intruded by granitic rocks.
WORK DONE: Four trenches, totalling 192 cubic metres, on Sonja 4.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 114; 1979, pp. 113, 114; GEM, 1972, p. 91; Assessment Report 436; Mineral Inventory 82M-36, 37.

RIM (Fig. E-1, NTS 82, No. 353)

LOCATION: Lat. 51° 51' Long. 119° 45' (82M/13)
KAMLOOPS M.D. Approximately 29 kilometres north of Vavenby, approximately 10 kilometres north-northwest of the junction of Raft and West Raft Rivers on east side of West Raft River, west of Maxwell Creek.
CLAIMS: RIM 1 to 4 (1 unit each).
OWNER: A. Horne.
OPERATOR: ST. JOSEPH EXPLORATIONS LTD., 5, 970 Laval Crescent, Kamloops V2C 5P5.
METAL: (Molybdenum).
DESCRIPTION: Well-foliated quartz-feldspar-biotite schists and gneisses in intrusive or fault contact with irregular bodies of biotite-rich granodiorite. Intrusive rocks are weakly foliated and poorly fractured. Minor pyrite, pyrrhotite, and molybdenite mineralizations are noted.
WORK DONE: Geochemical survey, 104 soil samples analysed for copper, lead, zinc, and molybdenum, covering all claims.
REFERENCE: Assessment Report 8355.

BOULDER (Fig. E-1, NTS 82, No. 351)

LOCATION: Lat. 51° 50' Long. 119° 41' (82M/13E)
KAMLOOPS M.D. Thirty-two kilometres northeast of Clearwater, 3 kilometres up Maxwell Creek on the west bank.
CLAIMS: GOTCHA, GOTCHA 2 (6 units), GOTCHA 3 (9 units), GOTCHA 4 to 6.
OWNER: DIMAC RESOURCE CORP., 701, 744 West Hastings Street, Vancouver V6C 1A5.
METAL: Tungsten.

DESCRIPTION: Bedrock exposed in open cuts consists of granite, monzonite (Cretaceous and Tertiary), biotite schist and quartzite, and calc-silicate skarn (Lower Paleozoic). The skarn includes scheelite mineralization.

WORK DONE: Geological mapping, 1:100, covering Gotcha 2; stripping, 15 000 square metres and road construction, 1.5 kilometres, covering Gotcha and Gotcha 2; surveying (perimeter of property), 9 kilometres, covering all claims; metallurgical testing.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 94; 1973, pp. 117, 118; Exploration in B.C., 1978, pp. E115, E116; 1979, p. 117; Assessment Reports 4270, 7607, 7884; Mineral Inventory 82M-123.

BUG (MAX) **(Fig. E-1, NTS 82, No. 350)**

LOCATION: Lat. 51° 52′ Long. 119° 40′ (82M/13E)
KAMLOOPS M.D. Thirty-three kilometres north-northeast of Birch Island, 7 kilometres due north of Silence Lake on Maxwell Creek.

CLAIMS: MOSQUITO (6 units), BUG (4 units), MOSQUITO II (4 units), MAX (8 units), MOSQUITO III (6 units), BUG II (2 units), MOSQUITO IV (4 units), MOSQUITO V (5 units), MAX 3 (16 units), MAX 4 (8 units), MAX 6 (4 units), MAX 5 (9 units), MAX 7 and 8 (2 units each).

OWNER: A. Horne.

OPERATOR: ST. JOSEPH EXPLORATIONS LTD., 5, 970 Laval Crescent, Kamloops V2C 5P5.

METALS: Copper, lead, zinc, molybdenum.

DESCRIPTION: The property is underlain by schists, gneisses, and felsic intrusive rocks of the Shuswap Complex. Pyrrhotite-chalcopyrite-galena-sphalerite occurs within pelitic schists. Grade in outcrops is approximately 1 per cent combined copper-lead-zinc up to several metres thick and traceable for a strike length of 2 kilometres.

WORK DONE: Linecutting, 17.5 kilometres; ground electromagnetic survey, ground magnetometer survey, and induced polarization survey, all 14.7 kilometres, each covering Max 3-5, 7, and 8.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 74; 1979, p. 117; Assessment Reports 3935, 5836, 6071, 7561, 7812, 8918; Mineral Inventory 82M-136.

CK **(Fig. E-1, NTS 82, No. 352)**

LOCATION: Lat. 51° 55′ Long. 119° 34′ (82M/13E)
KAMLOOPS M.D. Approximately 43 kilometres northeast of Clearwater, straddles Raft River, covers Stratton Creek and parts of Ritchie Creek (claim area is 65 kilometres long and 7 kilometres wide).

CLAIMS: HIGH 1 to 9, PARK 1 to 4, RAF 1, RAF 2, CK 1 to 9, 11, 13, 15 to 17, 34, 36, 39 to 48, 61 to 64, 66 to 70, 71 to 80, 81 to 95, STRAT 1 to 5, 7 to 9, NORTH 1, NORTH 26, 28, 39 to 46, 57, 59, 61, 63, 65, 67, RAFT 23 to 34 (totalling 585 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: Lead, zinc.

DESCRIPTION: The claims are underlain by metasedimentary and intrusive rocks of the Shuswap Complex. Rock outcrops consist of limy and siliceous calc-silicates, biotite gneisses, marbles, and pegmatites. Stratiform lead-zinc mineralization is associated with a complex by folded, relatively narrow belt of calc-silicate gneiss and carbonates enclosed within an overall envelope of metasedimentary rocks and pegmatite.

WORK DONE: Geological mapping; linecutting; induced polarization survey and ground magnetometer survey, 17.3 kilometres; and geochemical survey, 2 027 soil samples analysed for lead and zinc, on Strat 1-4, Park 1, North 1, North 43-46, North 67, Raft 26, 28, CK 81, 85, 87, 88, 89, 91, 94; diamond drilling, 15 BQ holes, totalling 1 277.3 metres, on CK 3, 23, 48, 84, Park 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 75; 1978, p. E 116; 1979, p. 118; Geological Fieldwork, 1979, Paper 1980-1, p. 23; Assessment Reports 5189, 5192, 5471, 5613, 6756, 6909, 7213, 7299, 8317; Mineral Inventory 82M-137.

FINN (Fig. E-1, NTS 82, No. 354)

LOCATION: Lat. 51° 55′ Long. 119° 18′ (82M/14W)
KAMLOOPS M.D. Fifteen kilometres north of Avola and 2 kilometres east of the North Thompson River, straddling a west-sloping ridge transected by eastward-flowing Finn Creek.

CLAIM: FINN 1 (18 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: (Zinc, lead).

DESCRIPTION: The property is underlain by rocks of the Shuswap Complex. Most of the northern and eastern portion is underlain by granodiorite and pegmatite with minor biotite gneiss. The western portion is underlain by calc-silicate gneiss and minor amphibolites.

WORK DONE: Geological mapping, 1:500; one trench, 40 metres total length; induced polarization survey, 5 kilometres; and geochemical survey, 325 soil samples analysed for zinc and lead, covering Finn.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 119; Assessment Reports 7744, 9027.

GOLDEN 82N and part of O

FE, MONITOR (Fig. E-1, NTS 82, No. 294)

LOCATION: Lat. 51° 00′ Long. 117° 00′ (82K/14E, 15W; 82N/3E, 2W)
Report on this property in section 82K.

ICE (Fig. E-1, NTS 82, No. 356)

LOCATION: Lat. 51° 01′ Long. 117° 43′ (82N/4E)
REVELSTOKE M.D. Fourteen kilometres southeast of Albert Canyon, on the east side of Albert Creek.

CLAIMS: GOAT 1 to 4 (total 46 units).

OWNER: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3.

METALS: Tungsten, (zinc, copper).

DESCRIPTION: The Lardeau Group metasedimentary rocks on the Goat claims are generally highly siliceous and form an interlayered series of impure quartzites, quartz-biotite-sericite or muscovite schists, and quartz-feldspar-biotite gneiss.

Scheelite mineralization is associated with pyrrhotite-rich quartzites. Scheelite, minor sphalerite, and chalcopyrite are disseminated along fracture planes. The scheelite mineralization is discontinuous and appears limited to several small gossan zones.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 28 rock chip samples analysed for copper, molybdenum, lead, zinc, silver, and tungsten, covering all claims; geochemical survey, 215 soil samples analysed for copper, molybdenum, lead, zinc, and tungsten, on Goat 1 and 2.

REFERENCES: Mineral Inventory 82N-36; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 95.

SNOWFLAKE, REGAL (Fig. E-1, NTS 82, No. 357)

LOCATION: Lat. 51° 12′ Long. 117° 55′ (82N/4W)
REVELSTOKE M.D. Approximately 8 kilometres north-northwest from Albert Canyon with Woolsey and Silver Creeks cutting the southwest portion of the property.

CLAIMS: MARS (12 units), KOOL 1 and 2 (15 units each), KOOL 3 (20 units), SNOWFLAKE A, B, and C (Lots 8571-8573), SUNSET A (Lot 8576), JOY (Lot 14182), ALICE (Lot 14183), HELENA (Lot 14184), BEE (Lot 14185), MAY (Lot 14186), CORA (Lot 14187), EMILY (Lot 14188), ANNIE (Lot 18189), NESTORIA (Lot 14190), FRANCIS (Lot 14191), HILDA (Lot 14192), BIG LEDGE 2 (Lot 14193).

OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow, Vancouver V6E 3L6.

METALS: Silver, lead, zinc.

DESCRIPTION: The claims are underlain by three mappable units of the Cambrian—Devonian Lardeau Group. The central part of the property covering the area of economic interest is underlain entirely by black, fissile, graphitic slates. Andesite is abundant in favourable beds in the drill core. Subparallel quartz veins up to 5 metres wide carry argentiferous galena and sphalerite.

WORK DONE: Diamond drilling, 2 NQ/BQ holes, totalling 554 metres, on Mars.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1954, p. 512; 1967, p. 263; 1968, p. 263; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 339; Bull 10, pp. 120, 121, 130; Assessment Report 8963; Mineral Inventory 82N-3, 4.

HUGO (Fig. E-1, NTS 82, No. 358)

LOCATION: Lat. 51° 43′ Long. 116° 55′ (82N/10W)
GOLDEN M.D. Approximately 19 kilometres north-northwest of the junction of Martin Creek and Blaeberry River.

CLAIMS: HUGO I (18 units), HUGO II , III, and IV (20 units each), HUGH V (6 units), MARLENE I (18 units), MARLENE II (4 units), CHERIC I and II (18 units each), KAREN 1 (20 units).

OWNER: P. Tomelin.

OPERATOR: C. FIPKE, 263 Lake Avenue, Kelowna V2Y 5W6.

DESCRIPTION: The claims are underlain by Upper to Middle Cambrian Ottertail limestone in a north-northwest gently synclinal fold. Several thick north-northwest-trending lamprophyre dykes truncate the strata at steep angles.

WORK DONE: Ground magnetometer survey, 9 kilometres; airborne electromagnetic survey and airborne magnetometer survey, 52 kilometres each; and geochemical

	survey, 16 soil and four 36.28-kilogram bulk samples analysed, all on Cheric I and II, Marlene I, and Hugo I.
REFERENCE:	Assessment Report 8838.

CANOE RIVER 83D

VERITY, BLUE RIVER (Fig. E-1, NTS 83, No. 424)

LOCATION:	Lat. 52° 24′ Long. 119° 09′ Lat. 52° 18′ Long. 119° 09′ (83D/6E) KAMLOOPS M.D. South of Valemont and Gosnell, at Blue River, in two noncontiguous claim blocks.
CLAIMS:	VERITY (1 unit), FIR 1 and 2 (2 units), AR 1 to 4 (60 units), BE 1 and 2 (2 units), BLUE 1 to 10 (133 units), AZ (18 units), BE 1 and 2 (24 units), BC 1 to 5 (5 units).
OWNERS:	J. M. Kruszewski and Anschutz (Canada) Mining Ltd.
OPERATOR:	ANSCHUTZ (CANADA) MINING LTD., 3200, 400 Fourth Avenue SW, Calgary, Alberta.
METALS:	Tantalum, niobium.
DESCRIPTION:	The quartz-feldspathic gneiss of the Kaza Group (Lower Proterozoic) is intruded by pegmatites, nepheline syenites, and carbonatites. Pyrochlore occurs in the Verity carbonatite, the Mill Area carbonatite, and the Bone Creek carbonatite.
WORK DONE:	1979 – airborne magnetometer and airborne gamma ray spectrometer surveys, 483 kilometres, on AR 1-4, and BE 3; 1980 – airborne radiometric survey and airborne magnetometer survey, 345 kilometres; and diamond drilling, 31 NQ holes, totalling 990 metres, on AR 1 and 2, Verity, Blue 4-7.
REFERENCES:	Mineral Inventory 83D-5, 6; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 117; Assessment Reports 6741, 7236, 8216, 9566.

SOUTHWEST BRITISH COLUMBIA
(NTS Division 92 and part of 102)

VICTORIA 92B

BK (Fig. E-1, NTS 92, No. 3)

LOCATION: Lat. 48° 27′ Long. 123° 51′ (92B/5W)
VICTORIA M.D. Along the western shores of Tugwell Creek, 7 kilometres north-northeast of Skookum Gulch.
CLAIMS: HARLEY 1, DIANE 1, DIANE 2 (20 units each).
OWNER: DYNAMIC OIL LTD., 1400, 409 Granville Street, Vancouver V6C 1T2.
METAL: Copper.
DESCRIPTION: The survey area is underlain by Eocene Metchosin pillow lavas, pillow breccias, and aquagene tuffs which have been intruded by Sooke gabbro and diorite. Copper mineralization appears to be associated with cross-cutting shear zones and the Sooke intrusions where the rocks have been hornblendized.
WORK DONE: Linecutting, 11 kilometres; and geochemical survey, 408 soil samples analysed for cobalt, copper, silver, and zinc, on Harley 1.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 223 (Bear Lake); Assessment Report 9818; Mineral Inventory 92B-106.

LAST (Fig. E-1, NTS 92, No. 2)

LOCATION: Lat. 48° 29′ Long. 123° 57′ (92B/5W)
VICTORIA M.D. Approximately 18 kilometres north from Shirley, with Alligator Creek flowing through the property.
CLAIM: LAST (18 units).
OWNER: Noxe Petroleum Inc.
OPERATOR: MANNY CONSULTANTS LTD., 4550 Harriet Street, Vancouver V5V 4K5.
DESCRIPTION: The claim area is underlain mainly by the Eocene Catface quartz diorite.
WORK DONE: Linecutting, 33.2 kilometres; and geochemical survey, 312 soil samples analysed for gold, arsenic, silver, copper, molybdenum, lead, and zinc, on Last.
REFERENCE: Assessment Report 9353.

SM (Fig. E-1, NTS 92, No. 1)

LOCATION: Lat. 48° 26.5′ Long. 123° 38′ (92B/5E)
VICTORIA M.D. Approximately 8 kilometres northeast of Sooke, immediately north of Ragged Mountain at headwaters of southern fork of Charters River.
CLAIMS: SM 1 to 3.
OWNER: E. MURPHY, 5859 Sooke Road, RR 1, Sooke.
METAL: (Copper).
DESCRIPTION: The claims cover a contact zone between basalt of the Metchosin Formation and the East Sooke olivine and augite gabbro. Brecciated rocks at the contact contain pyrite and chalcopyrite in calcite gangue.

WORK DONE: 1979 – road building, 30 metres; and diamond drilling, 1 XRD hole, totalling 8.8 metres, on SM 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 120; Assessment Reports 7475, 8282.

KING SOLOMON – VIVA, BLUE BELL (Fig. E-1, NTS 92, No. 5)

LOCATION: Lat. 48° 41′ Long. 123° 42′ (92B/12E)
VICTORIA M.D. Eight kilometres south of Cowichan Bay, 5 kilometres east of Cobble Hill on the Koksilah River.

CLAIMS: JP, PATCHES (20 units each), KOK–HUM (6 units).

OWNER: WESTERN MINES LTD., Box 49066, 1103 Three Bentall Centre, Vancouver V7X 1C4.

METALS: Copper, iron.

DESCRIPTION: Magnetite and chalcopyrite in garnetiferous rock as a local occurrence in heterolithic volcanic rocks of the Sicker Group.

WORK DONE: Geological mapping, 1:10 000 and 1:12 000, on all claims.

REFERENCES: Mineral Inventory 92B-15, 34, 35, 48, 80, 81, 82, 83; *Minister of Mines, B.C.*, Ann. Rept., 1960, p. 116.

WEST, NORTH, SOUTH, EAST (Fig. E-1, NTS 92, No. 4)

LOCATION: Lat. 49° 30.5′ Long. 123° 44′ (92B/12E, 5E)
VICTORIA M.D. Eight kilometres north of Sooke, 5 kilometres west of Leechtown.

CLAIMS: NORTH (15 units), WEST (20 units), SOUTH (15 units), EAST (20 units).

OWNER: W. A. MORRIS, 936 Walfred Road, Victoria V9C 2P4.

METALS: Gold, talc.

DESCRIPTION: Native gold lies in the gouge material between the talc and the slate country rocks.

WORK DONE: Trenching and stripping, 89.198 cubic metres, on West and East.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 118; 1979, p. 121; Assessment Reports 6144, 6907, 7536; Mineral Inventory 92B-77, 105.

PEG (Fig. E-1, NTS 92, No. 9)

LOCATION: Lat. 48° 30′ Long. 123° 59′ (92B/12W)
VICTORIA M.D. Eleven kilometres north-northwest of Shirley, 2 kilometres southwest of Valentine Mountain.

CLAIMS: PEG 1 to 6 (6 units).

OWNER: R. BEAUPRE, 4361 Shelbourne Street, Victoria V8N 3G4.

METALS: (Tungsten, tin, gold, silver, beryllium).

DESCRIPTION: Pegmatite, quartz veins, and granodiorite are intrusive in Leech River schist on the north side of Leech River fault.

WORK DONE: Blasting pits; and geochemical survey, 15 soil and 12 rock and rock chip samples analysed, covering all claims.

REFERENCE: Assessment Report 6598.

BO 5 (Fig. E-1, NTS 92, No. 7)

LOCATION: Lat. 48° 31′ Long. 123° 51′ (92B/12W)
VICTORIA M.D. Six kilometres north of Shirley, on the south face of Valentine Mountain.
CLAIM: BO 5 (1 unit).
OWNER: R. BEAUPRE, 4361 Shelbourne Street, Victoria V8N 3G4.
DESCRIPTION: Quartz veins cut Leech River schist north of Leech River fault.
WORK DONE: Three soil samples taken from quartz veins.

BLAZE (Fig. E-1, NTS 92, No. 8)

LOCATION: Lat. 48° 31′ Long. 123° 52.5′ (92B/12W)
VICTORIA M.D. Approximately 17 kilometres northeast of the townsite of Jordan River, lying 1 kilometre north of Bear Creek Reservoir.
CLAIMS: BLAZE 1 (1 unit), BLAZE 2 and 3 (2 units each), BLAZE 4 (3 units).
OWNER: BEAU PRE EXPLORATIONS LTD., 1640 Quadra Street, Victoria V8W 2L6.
METALS: (Gold, silver).
DESCRIPTION: The property is underlain by the Leech River Formation, an east-trending belt of metasedimentary rocks and metavolcanic rocks of probably Jurassic-Cretaceous age; metasedimentary rocks predominate. The formation is intruded by dykes and sills of gneissic granodiorite.
WORK DONE: Trenching, 40 metres; and geochemical survey, 57 soil samples analysed for lead, zinc, silver, arsenic, tungsten, and gold and 14 rock samples analysed for gold and silver, on Blaze.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 103; 1978, pp. E118, E 119; 1979, pp. 120, 121; Assessment Reports 6298, 6844, 9050; Mineral Inventory 92B-108.

BO 6 (Fig. E-1, NTS 92, No. 6)

LOCATION: Lat. 48° 32′ Long. 123° 48′ (92B/12W)
VICTORIA M.D. Eighteen kilometres north of Sooke on the Leech River.
CLAIM: BO 6 (1 unit).
OWNER: R. BEAUPRE, 4361 Shelbourne Street, Victoria V8N 3G4.
DESCRIPTION: Quartzite is in contact with metalimestone near Leech River.
WORK DONE: Pits and trenching; and rock chip samples taken, on BO 6.

SURVEY (Fig. E-1, NTS 92, No. 10)

LOCATION: Lat. 48° 33′ Long. 123° 49′ (92B/12W)
VICTORIA M.D. Approximately 7 kilometres northeast from the Bear Creek Reservoir with Leech River running through the property.
CLAIM: SURVEY.
OWNER: C. BOITARD, 2245 West 13th Avenue, Vancouver.
DESCRIPTION: The claim is underlain by Permian Leech River slaty and quartzose schist. About 2 to 2.5 kilometres east is a large intrusive mass which includes granodiorite, quartz diorite, diorite, gabbro, and granite. These are locally gneissic. No sulphides were seen on the property.
WORK DONE: Linecutting, 1.5 kilometres; ground electromagnetic and ground magnetometer surveys, 1.5 kilometres each; and geochemical survey, 23 soil samples analysed for copper and zinc, all on Survey.
REFERENCES: Assessment Reports 6269, 8678.

EB (Fig. E-1, NTS 92, No. 11)

LOCATION: Lat. 48° 39′ Long. 123° 55′ (92B/12W)
VICTORIA M.D. Approximately 9 kilometres north-northeast of the junction of San Juan River and Clapp Creek.
CLAIMS: EB 3 (18 units), EB 4 (6 units), EB 5 (4 units), EB 6 (8 units), EB 8 (20 units), EB 13 (15 units), EB 7, EB 14, EB 15 (20 units each), EB 16 (12 units), EB 17 (12 units).
OWNER: R. R. Dion.
OPERATOR: TEAM MINERAL SERVICES INC., 1274 – 56th Street, Delta V4L 2A4.
WORK DONE: Geochemical survey, 850 soil samples analysed for lead, zinc, and silver, on EB 3 and 13.
REFERENCE: Assessment Report 9482.

SIRIUS (Fig. E-1, NTS 92, No. 13)

LOCATION: Lat. 48° 51′ Long. 123° 41′ (92B/13E)
VICTORIA M.D. Twelve kilometres north of Cowichan Bay, 3 kilometres west of Osborn Bay.
CLAIM: CROFT 2 (15 units).
OWNERS: Serem Ltd. and BP Canada Ltd.
OPERATOR: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.
METALS: Copper, zinc.
DESCRIPTION: Stratabound chalcopyrite, pyrite, and sphalerite contained in quartz-sericite schists of the Mount Sicker Formation near the margins of associated gabbro-diorite sills.
WORK DONE: Diamond drilling, 1 NQ hole, totalling 187.5 metres, on Croft 2.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 123; Assessment Report 7233; Mineral Inventory 92B-96.

LENORA, TYEE, RICHARD III (TWIN J), QUEEN BEE (Fig. E-1, NTS 92, No. 12)

LOCATION: Lat. 48° 52′ Long. 123° 47′ (92B/13)
VICTORIA M.D. Ten kilometres northwest of Duncan, straddling Big Sicker Mountain and Little Sicker Mountain.
CLAIMS: CF 1 to 8, CF 13 to 18, ROCKY 1 to 5, ROCKY 6 Fraction, ACME Fraction, MARGRET Fraction, ESTELLE (Lot 53G), WESTHOLME (Lot 54G), BLUE BELL (Lot 51G), MOLINE FR. (Lot 50G), ACME (Lot 4G), TONY (Lot 18G), HELLENA (Lot 47G), WESTHOLME FR. (Lot 59G), DIXIE FR. (Lot 21G), GOLDEN ROD (Lot 44G), DONAGAN (Lot 18G), XL (Lot 19G), DONALD (Lot 63G), MURIEL FR. (Lot 108G), DOUBTFUL FR. (Lot 87G), THELMA FR. (Lot 85G), IMPERIAL FR. (Lot 86G), HERBERT FR. (Lot 20G), PHIL FR. (Lot 110G), NT FR. (Lot 43G), MAGIC FR. (Lot 41G), RICHARD III (Lot 39G), KEY CITY (Lot 37G), LENORA (Lot 35G), TYEE (Lot 36G), INTERNATIONAL FR. (Lot 60G), LITTLE NUG–GET (Lot 33G), CHEMAINUS (Lot 34G), BELLE (Lot 55G), DUNSMUIR (Lot 56G), SEATTLE (Lot 57G), COPPER KING (Lot 64G), COPPER QUEEN (Lot 65G), QUEEN BEE (Lot 100G), ALLIANCE FR. (Lot 59G), PATRICIA–JANE (Lot 75G), MORLEY–JANE, PEGGY Fraction, BEATRICE.
OWNERS: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2 and BP CANADA LTD., 1007, 1111 West Hastings Street, Vancouver V6E 3N5.

METALS: Copper, zinc, silver, gold, lead, barite.

DESCRIPTION: The property covers old workings of lead, zinc, and copper sulphides, with gold and silver within the Sicker Group of rocks (Middle to Upper Paleozoic) where barite is a major gangue constituent.

WORK DONE: 1979 – geological mapping, 1:5000; and geochemical survey, 992 soil samples analysed for zinc, copper, lead, and silver, covering most of the property; 1980 – geological mapping, 1:3500; diamond drilling, 6 NQ holes, totalling 1 310.7 metres; VLF–EM survey and induced polarization survey, 33 kilometres; and geochemical survey, 260 soil samples analysed, on Richard III, and CF 7 and 8; linecutting, 5.4 kilometres; and geochemical survey, 151 soil samples analysed for copper, lead, zinc, and silver, on Rocky 5; ground magnetometer survey, 16.5 kilometres and ground electromagnetic survey, 16.3 kilometres, on CF 5-8, 16, 18, Rocky 2, 5, 6 Fr.; diamond drilling, 7 BQ holes, totalling 1 235.6 metres, on Richard III and Anaconda; drilling, 4 BQ holes, totalling 591.3 metres, on Belle, Seattle, and Little Nugget.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 104; 1978, pp. E 119-E 121; 1979, p. 121; Assessment Reports 7875, 8168, 8264; Mineral Inventory 92B-1–3, 88.

CAPE FLATTERY 92C

JOHN (Fig. E-1, NTS 92, No. 15)

LOCATION: Lat. 48° 29′ Long. 124° 08′ (92C/8E)
VICTORIA M.D. Approximately 9.2 kilometres west-northwest of Jordan River, with Rosemond Creek flowing through the John I claim.

CLAIMS: JOHN I (15 units), JOHN II (9 units).

OWNER: G. White.

OPERATOR: OLIVER RESOURCES LTD., Box 35, Oliver.

DESCRIPTION: The claims are underlain by Eocene Metchosin Formation, interbedded basalt, diabase, pillow lavas, flow breccias, tuffs, and agglomerates. These are intruded by the Late Eocene or Early Oligocene Sooke gabbro and its differentiates. Copper mineralization occurs in shear zones near the intrusive rocks in the area.

WORK DONE: 1979 – linecutting, 22 kilometres; ground electromagnetic survey, 22 kilometres; and geochemical survey, 816 soil samples analysed for copper and zinc, covering both claims; 1980 – ground electromagnetic survey, 6.7 kilometres and ground magnetometer survey, 20 kilometres, covering both claims.

REFERENCES: Assessment Reports 8208, 8860.

OX (Fig. E-1, NTS 92, No. 18)

LOCATION: Lat. 48° 34′ Long. 124° 17′ (92C/9)
VICTORIA M.D. Approximately 1.5 kilometres south of the junction of San Juan River and Harris Creek, 11 kilometres east-northeast of Port Renfrew.

CLAIMS: OX (16 units), FOX (2 units), COX (4 units), HOT (12 units), LOT (6 units).

OWNER: M. Tavela.

OPERATORS: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver, LACANA MINING CO., 312, 409 Granville Street, Vancouver, and M. TAVELA, 1, 2230 Harrison Drive, Vancouver, V5P 2P6.
METAL: (Gold).
DESCRIPTION: The claims are underlain by metasedimentary rocks of the Leech River Formation (Late Jurassic/Early Cretaceous) that are intruded by aplite sills and dykes. Mineralization consists of disseminated pyrite, pyrrhotite, and arsenopyrite with minor free gold.
WORK DONE: Geological mapping, 1:5000; ground magnetometer survey, 24 kilometres; and geochemical survey, 504 rock and 96 soil samples analysed for gold and arsenic, covering all claims.
REFERENCES: Assessment Report 9807; Mineral Inventory 92C-59.

BO (Fig. E-1, NTS 92, No. 16)

LOCATION: Lat. 48° 30′ Long. 124° 00′ (92C/9E)
VICTORIA M.D. Eight kilometres north of River Jordan on the north bank of the Jordan River diversion reservoir.
CLAIMS: BO 1 to 4 (4 units).
OWNER: R. BEAUPRE, 4361 Shelbourne Street, Victoria V8N 3G4.
DESCRIPTION: A pegmatite vein is faulted next to intrusive volcanic material in Leech River schist. Black tourmaline was noted in clear quartz veins in the area.
WORK DONE: Trenching, 1 trench, 8 metres; and samples collected, on all claims.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 124.

FRASER, CROWN, ANOMALY (Fig. E-1, NTS 92, No. 17)

LOCATION: Lat. 48° 44′ Long. 124° 04′ (92C/9E, 16E)
VICTORIA M.D. Eight kilometres south of the community of Lake Cowichan, covering the headwaters of Long Creek.
CLAIMS: MAXI (12 units), MAXI 1 (10 units), MAXI 2 (3 units).
OWNER: J. H. Kruzick.
OPERATOR: SONAR ENERGY CORP., 306, 736 Granville Street, Vancouver V6Z 1G3.
METALS: Copper, lead, zinc, silver.
DESCRIPTION: Magnetite, pyrrhotite, and chalcopyrite occur in the Bonanza Group basalt and tuff metamorphosed to actinolite-garnet skarn rocks near the contact of granitic Island intrusive rocks (Jurassic).
WORK DONE: Geological mapping, 1:5000 and 1:2500; and geochemical survey, 38 soil samples analysed for copper, silver, and zinc and 26 rock samples analysed for copper, silver, zinc, and gold, covering all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 223; Assessment Reports 8209; Mineral Inventory 92C-36, 39, 40, 41, 49.

LELLA (Fig. E-1, NTS 92, No. 22)

LOCATION: Lat. 48° 33′ Long. 124° 24′ (92C/9W)
VICTORIA M.D. One kilometre east of Port Renfrew at Snuggery Cove in Port San Juan Inlet, off the Juan de Fuca Strait.
CLAIMS: BUENA VISTA (6 units), QUE PASA (9 units).
OWNER: D. W. MURPHY, Box 142, Vananda.
METAL: Copper.

DESCRIPTION: Numerous quartz veins occur in a belt of Leech River slate and argillite, ranging in width from narrow stringers to 3.5 metres.
WORK DONE: Geological mapping, 1:5000; traverses and sampling; and geochemical survey, 12 soil samples analysed for copper, silver, and gold and 3 rock samples analysed for gold and silver, covering both claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 292; Assessment Report 8987; Mineral Inventory 92C-95.

EBB (Fig. E-1, NTS 92, No. 19)

LOCATION: Lat. 48° 35.5' Long. 124° 21' (92C/9W)
VICTORIA M.D. Approximately 9 kilometres northeast of Port Renfrew, lying north of San Juan River and touching Fairy Lake on southern border of claim.
CLAIM: EBB (15 units).
OWNER: M. TAVELA, 1, 2230 Harrison Drive, Vancouver.
METALS: (Copper, nickel).
DESCRIPTION: Folded and pyritic shales and schists dipping 50 degrees southerly and basaltic rocks are intruded by chloritized gabbroic Island intrusions. Mafic areas contain minor pyrite, pyrrhotite, chalcopyrite, and pentlandite in disseminated and veinlet form.
WORK DONE: 1979 and 1980 – geological mapping, 1:16 000, 1:5000, and 1:2500; petrography; self-potential survey, 2.5 kilometres; and geochemical survey, 57 soil and 27 rock samples analysed for copper, nickel, and cobalt, on Ebb.
REFERENCE: Assessment Report 8278.

ALFRIDA (Fig. E-1, NTS 92, No. 21)

LOCATION: Lat. 48° 37' Long. 124° 26' (92C/9W)
VICTORIA M.D. Approximately 7.5 kilometres north of Port Renfrew.
CLAIMS: SHADOW 1 to 8 (8 units), BAIRD (4 units), SHADOW Fraction, ALBANY.
OWNER: D. W. MURPHY, Box 142, Vananda.
METALS: Silver, gold.
DESCRIPTION: The property is underlain by Middle Pennsylvanian sedimentary rocks in the south in fault contact with units of the Island intrusions (Middle Jurassic) in the north. Gneisses, magnetites, and metadiorites are exposed to the west. The fault at the sedimentary-intrusive contact trends east-west.
WORK DONE: Geochemical survey, 12 soil and 9 rock samples analysed for gold, silver, and copper, covering all claims.
REFERENCES: *Geol. Surv., Canada*, Mem. 13, p. 157; Assessment Report 8943; Mineral Inventory 92C-68.

NAN, DORE (Fig. E-1, NTS 92, No. 20)

LOCATION: Lat. 48° 44' Long. 124° 17' (92C/9W)
VICTORIA M.D. Approximately 13 kilometres northeast of Edinburgh Mountain, with Mount Bolduc lying 1 kilometre southwest of claim group.
CLAIM: BOLDUC (12 units).
OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.
METAL: Copper.

DESCRIPTION: The property is underlain by basalts of the Triassic Karmutsen Formation and limestone of the Quatsina Formation. Both are intruded by a fine-grained granite which comprises about half the outcrops on the property. Chalcopyrite occurs in garnet-epidote-magnetite skarn.

WORK DONE: Ground magnetometer survey, 9 kilometres, on Bolduc.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 242; Assessment Report 8679; Mineral Inventory 92C-79, 103, 104, 107.

OZZ (Fig. E-1, NTS 92, No. 26)

LOCATION: Lat. 48° 58′ Long. 125° 30′ (92C/13E, 14W)
ALBERNI M.D. Approximately 2.5 kilometres east of Mercer Lake on Mount Ozzard, 5 kilometres northeast of Port Albion.

CLAIMS: OZZ (20 units), OZZ 2 (4 units), OZZ 3 and 4 (20 units each).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The property is underlain by Bonanza tuffs and agglomerates of dioritic and andesitic composition. These are intruded by coarse-grained diorites. Visible indications of mineralization are small zones of silicification of tuffs in the centre of the Ozz claim, with abundant pyrite and arsenopyrite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 374 soil samples analysed for gold and arsenic and 94 for gold, covering all claims.

REFERENCE: Assessment Report 8885.

SARITA, DOER (Fig. E-1, NTS 92, No. 32)

LOCATION: Lat. 48° 53′ Long. 124° 59′ (92C/14E, 15W)
ALBERNI M.D. Approximately 40 kilometres southwest of Port Alberni, property lies 2.25 kilometres northeast of Federick Lake.

CLAIMS: RC 2 (6 units), RC 3 (9 units), RC 4 (4 units), RC 5 (4 units), BLACK BEAR (Lot 23), EUREKA (Lot 24), BRITISH PACIFIC (Lot 25), MIDDAY (Lot 26), SOUTHERN CROSS (Lot 35), UNITED (Lot 36), UNION (Lot 54), A 1 (9 units), SUN 1 and 2 (20 units each), SAR (9 units).

OWNERS: Nomad Energy & Resources Ltd., R. Carlson, and A. Sweeney.

OPERATOR: NOMAD ENERGY & RESOURCES LTD., 1155, 409 Granville Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Pyrrhotite, magnetite, pyrite, sphalerite, galena, and chalcopyrite occur in skarn pods and lenses formed by intrusion of Bonanza felsic volcanic rocks into Quatsino limestone, and in shear zones within silicified limestone.

WORK DONE: Geological mapping, 1:5000; linecutting, 25 kilometres; percussion drilling, 646.1 metres and diamond drilling, 288.8 metres; ground magnetometer survey, 22 kilometres; and geochemical survey, 12 silt samples analysed for copper, silver, and gold and 1 069 soil samples analysed for gold and silver with 159 also analysed for copper, all covering the northern half of the property.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 124, 125; Assessment Reports 7943, 9509; Mineral Inventory 92C-6, 32, 96.

ERSET (Fig. E-1, NTS 92, No. 23)

LOCATION: Lat. 48° 47′ Long. 125° 00′ (92C/14E, 15W)
ALBERNI M.D. Thirteen kilometres east-southeast of Bamfield, 4 kilometres south of Rosseau Lake.

CLAIM: ERSET (20 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The property is underlain by dacitic to rhyolitic flows and minor tuffs of the Bonanza Group intruded by diorite and quartz monzonite.

WORK DONE: Geological mapping, 1:10 000; geochemical survey, 291 soil samples analysed for copper, lead, and zinc.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 124; Assessment Report 8668.

DA (PC) (Fig. E-1, NTS 92, No. 25)

LOCATION: Lat. 48° 51′ Long. 125° 03′ (92C/14E)
ALBERNI M.D. On the west side of Vancouver Island, 7 kilometres northeast of Bamfield, on the southwest slope of Pachena Cone and 1.5 kilometres west of Frederick Lake.

CLAIM: DA.

OWNER: Sir Michael Butler.

OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: (Copper, molybdenum).

DESCRIPTION: A quartz diorite plug intrudes diorite of the Coast Range Intrusive Complex (Jurassic-Cretaceous) and intermediate volcanic rocks (Triassic). Pyrite, minor chalcopyrite, and molybdenite occur in quartz veins in the intrusive rocks.

WORK DONE: Prospecting.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 125; Assessment Reports 3794, 6799, 8181; Mineral Inventory 92C-82.

DAN (Fig. E-1, NTS 92, No. 24)

LOCATION: Lat. 48° 53′ Long. 125° 01′ (92C/14E)
ALBERNI M.D. On the west coast of Vancouver Island, approximately 15 kilometres northeast of Bamfield, just east of Pachena and Frederick Lakes.

CLAIMS: DAN 8 (18 units), DAN 11 (16 units).

OWNERS: Rainer Energy Resources Ltd. and D. M. Fahey.

OPERATOR: RAINER ENERGY RESOURCES LTD., 365 Bay Street, Toronto, Ontario M5H 2O3.

METAL: (Copper).

DESCRIPTION: Volcanic rocks of the Bonanza Group are intruded by two small granodiorite plugs of Jurassic age. Several larger faults cross the property. Sparse pyrite, pyrrhotite, and chalcopyrite are disseminated in all rock units, as well as occurring in limy skarn zones.

WORK DONE: Geological mapping, 1.15 000; and geochemical survey, 123 soil samples analysed for copper, silver, and gold, on both claims.

REFERENCES: Assessment Report 8459; Mineral Inventory 92C-64.

SR (Fig. E-1, NTS 92, No. 30)

LOCATION: Lat. 48° 50′ Long. 124° 57′ (92C/15W)
ALBERNI M.D. On the west coast of Vancouver Island, 13 kilometres due east of Bamfield near the headwaters of the South Sarita River.
CLAIMS: WET 3 to 20 (18 units), WET 21 (3 units).
OWNER: Amax of Canada Ltd.
OPERATOR: BETHLEHEM COPPER CORP., 2100, 1055 West Hastings Street, Vancouver V6E 2H8.
METAL: Molybdenum.
DESCRIPTION: This property contains molybdenite mineralization with pyrite, quartz, and/or calcite fracture fillings within felsic units of an assemblage of Bonanza volcanic rocks that have been intruded and altered by two composite stocks of the Island intrusive rocks.
WORK DONE: Diamond drilling, 3 holes, totalling 775 metres, on West 14 and 17.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 108, E 109; Assessment Reports 5772, 6129, 7927; Mineral Inventory 92C-83.

A–1 (Fig. E-1, NTS 92, No. 29)

LOCATION: Lat. 48° 53′ Long. 124° 59′ (92C/15W)
ALBERNI M.D. Sixty kilometres by road south of Port Alberni and approximately 19 kilometres north of Bamfield.
CLAIM: A–1 (9 units).
OWNER: A. Sweeney.
OPERATOR: FIRST FINANCE FINDERS LTD., 1202, 750 West Pender Street, Vancouver V6C 2T8.
DESCRIPTION: Mafic to felsic lavas with phyllite, greywacke, and limestone of the Bonanza Group (Jurassic) are intruded by dioritic rocks of the Island Intrusive Complex. The only rock identified on the property appears to be of volcanic origin containing fine pyrite and possibly chalcopyrite.
WORK DONE: Percussion drilling, 3 holes, totalling 262.2 metres.
REFERENCE: Assessment Report 7976.

BUS (Fig. E-1, NTS 92, No. 33)

LOCATION: Lat. 48° 54.8′ Long. 124° 58′ (92C/15W)
ALBERNI M.D. Approximately 7.5 kilometres south of the junction of Uchucklesit Inlet and Alberni Inlet with Mount Blenheim lying 2.5 kilometres east of the claims.
CLAIMS: GOLD 1 to 16 (1 unit each).
OWNER: GOLD ANGEL RESOURCES INC., 1747 West Third Avenue, Vancouver.
METALS: Copper, iron.
DESCRIPTION: Quartz diorite and lesser quartz monzonite, an apophysis of a stock to the south, underlie most of the property. The northeast quadrant is underlain by Bonanza Group volcanic and sedimentary rocks. Quartz feldspar porphyry and feldspar porphyry dykes are common in the northeast. Several mineralized quartz-pyrite showings were seen.
WORK DONE: Geological mapping, 1:5000; ground electromagnetic survey, 28 kilometres; and geochemical survey, 142 soil samples analysed for gold and copper.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 227; Assessment Report 8719; Mineral Inventory 92C-97.

KOROS **(Fig. E-1, NTS 92, No. 31)**

LOCATION: Lat. 48° 58′ Long. 124° 54′ (92C/15W)
ALBERNI M.D. On southeastern Vancouver Island, on the southern shore of Alberni Inlet and covering the headwaters of Ritherdon Creek.

CLAIMS: SAN MATEO (15 units), LINDA (12 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: Copper, lead, zinc.

DESCRIPTION: The property is underlain by limestone and minor argillite of Triassic Quatsino Formation intruded by Jurassic (?) diorite. Two types of skarn are present: epidote-garnet-magnetite with chalcopyrite and sphalerite and epidote-diopside with sphalerite and galena.

WORK DONE: Geological mapping, 1:5000; ground magnetometer survey, 15 kilometres; and geochemical survey, 319 soil samples analysed for copper, zinc, and lead, on both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 238; Assessment Report 8507; Mineral Inventory 92C-1.

MARG **(Fig. E-1, NTS 92, No. 27)**

LOCATION: Lat. 48° 47′ Long. 124° 44′ (92C/15E)
ALBERNI M.D. On the west shores of Nitinat Lake, 7 kilometres southwest of the mouth of Nitinat River.

CLAIMS: FITINAT (12 units), FIT 2 (18 units), FIT 3 (1 unit).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: (Copper, molybdenum).

DESCRIPTION: Gently dipping felsic subaerial volcanic rocks of the Bonanza Group (Jurassic) are intruded by numerous fine-grained diorite dykes and plugs and subsequently by small intrusions of quartz monzonite. Quartz veining, alteration, minor pyrite, chalcopyrite, and molybdenite are associated with the quartz monzonite.

WORK DONE: 1979 and 1980 – linecutting, 8 kilometres; and geochemical survey, 220 soil and 62 rock samples analysed for copper, on Fitinat.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 258, 259; Assessment Report 8288; Mineral Inventory 92C-111.

TAM, EASY **(Fig. E-1, NTS 92, No. 28)**

LOCATION: Lat. 48° 50′ Long. 124° 35′ (92C/15E)
VICTORIA M.D. On the west coast of Vancouver Island approximately 6 kilometres east of the northern end of Nitinat Lake (where river enters) between Jasper Creek and Caycuse River; large unnamed creek flows south through claim into Caycuse River.

CLAIMS: JUDITH (16 units), WENDY (4 units), JO (4 units), PENNY (12 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

METAL: Copper.

DESCRIPTION: Rhyolitic tuff, chert, and andesitic rocks of the Bonanza Group are intruded by diorite.

WORK DONE: Geochemical survey, 156 soil samples analysed for lead, zinc, and copper, on Judith.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 109; Assessment Reports 3025, 3649, 5857, 8250; Mineral Inventory 92C-81.

OUI (Fig. E-1, NTS 92, No. 37)

LOCATION: Lat. 48° 50′ Long. 124° 29′ (92C/16W)
VICTORIA M.D. Approximately 10.8 kilometres south-southwest from Caycuse, approximately 4 kilometres north-northwest of the branch of a tributary of the Caycuse River.

CLAIMS: OUI (15 units), NAN (2 units), LUI (9 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: Triassic Karmutsen basalt are overlain by Upper Triassic Quatsino limestone.

WORK DONE: Geochemical survey, 52 soil samples analysed for molybdenum, copper, lead, and zinc, on all claims.

REFERENCES: Assessment Reports 2163, 8805.

AMORE, CLOSE, ALLIES (Fig. E-1, NTS 92, No. 36)

LOCATION: Lat. 48° 59′ Long. 124° 20′ (92C/16W)
NANAIMO and VICTORIA M.D. Seven kilometres north-northeast from the mouth of Shaw Creek and Cowichan Lake at the head of Jump, McKay, and Cottonwood Creeks.

CLAIMS: CLOSE (20 units), DIBENEDETTO (4 units), AMORE 1 (15 units), AMORE 2 (20 units), AMORE 3 (18 units), AMORE 4 (9 units).

OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta.

METALS: Copper, molybdenum, gold, silver.

DESCRIPTION: Locally the Sicker Complex of sedimentary and volcanic rocks is affected by nearby Saanich intrusive rocks. Scattered molybdenite and gold mineralization appears to be associated with faults, fractures, and intruding dykes.

WORK DONE: 1979 – trenching, 45 metres; and diamond drilling, 5 holes, totalling 121.61 metres, on Amore 2; diamond drilling, 1 hole, 60.9 metres, on Close; 1980 – geochemical survey, 335 soil and 8 rock samples analysed for gold, copper, and molybdenum, on Amore 1 and Close.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 125, E 126; 1979, p. 126; Assessment Reports 6963, 7187, 7880, 7908, 8782; Mineral Inventory 92C-14, 112, 117.

BLUE GROUSE (Fig. E-1, NTS 92, No. 35)

LOCATION: Lat. 48° 50′ Long. 124° 14′ (92C/16E)
VICTORIA M.D. On Vancouver Island approximately 32 kilometres west of Duncan, on the southwest side of Cowichan Lake, 3 kilometres northwest of Honeymoon Bay.

CLAIMS: BLUE GROUSE (Lots 31G to 33G), SS (Lots 34G to 41G), CINDY (18 units), JOY (18 units), MAC (8 units), JOY Fraction, JOY I (8 units).

OWNER: CORRIE COPPER LTD., 820, 777 Hornby Street, Vancouver.

METALS: Copper, silver.

DESCRIPTION: The deposit occurs in basaltic flows, tuffs, and agglomerates of the Franklin Creek Formation. Sutton limestone is exposed at the north end of the 1430 level and carbonaceous beds, probably part of the Sutton Formation, at the west end of the main crosscut on the 1340 level. The Franklin Creek and Sutton rocks are intruded by irregular bodies of feldspar porphyry. Formational contacts within the mine area strike westward. A zone of garnet-epidote-actinolite skarn forms a southwesterly plunging pipelike body extending from surface to the 1100 level and is mineralized with chalcopyrite, pyrite, and pyrrhotite.

WORK DONE: Linecutting and ground electromagnetic survey, 6 kilometres on the Crown Grants; and diamond drilling, 2 holes, 355.6 metres, on SS 6 (Lot 37G).

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 126; Assessment Report 97, 616, 6297, 8895, 8896; Mineral Inventory 92C-17, 108.

COMEGO (ANNE) (Fig. E-1, NTS 92, No. 34)

LOCATION: Lat. 48° 56′ Long. 124° 11′ (92C/16E)
VICTORIA M.D. Approximately 6.5 kilometres north of Youbou on Cowichan Lake, on the north slope of Mount Franklin just east of Sherk Lake at the headwaters of Widow Creek.

CLAIMS: WIDOW 1 to 14 (1 unit each), SHERK 1 and 2 (8 units each).

OWNER: DRC RESOURCES CORP., 200 Arbury Avenue, Coquitlam V3J 3K1.

METALS: Copper, tungsten, molybdenum.

DESCRIPTION: Cherty tuffs, greywackes, and argillites of the Sicker Group (Middle Pennsylvanian) are intruded by quartz diorite of the Island intrusions. Chalcopyrite, magnetite, scheelite, pyrite, pyrrhotite, and molybdenite occur in skarn zones.

WORK DONE: Geological mapping, 1:5000, 1:1250, and 1:100; linecutting, approximately 5 kilometres; and geochemical survey, 253 soil samples analysed for silver, copper, molybdenum, and tungsten and 50 rock samples analysed for copper, molybdenum, gold, silver, and a few for tungsten, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 223; Assessment Reports 641, 1949, 2167, 2849, 8283; Mineral Inventory 92C-18.

NOOTKA SOUND 92E

JR, FLO, ORMOND (Fig. E-1, NTS 92, No. 69)

LOCATION: Lat. 49° 19′ Long. 126° 05′ (92E/8E)
ALBERNI M.D. Twenty kilometres northwest of Tofino on Flores Island, just northeast of Mount Flores.

CLAIMS: MOLY, RHENIUM, SILVER, LEAD, COPPER, GOLD, MAY 1 and 2.

OWNERS: J. McLeod, A. R. Babcnuck, and Clear Mines Ltd.

OPERATOR: CLEAR MINES LTD., 1004, 789 West Pender Street, Vancouver V6C 1H2.

METALS: (Copper, molybdenum).

DESCRIPTION: Chalcopyrite, bornite, native copper, magnetite, pyrite, pyrrhotite, and minor molybdenite occur within altered monzonite.

WORK DONE: 1979 – airborne magnetometer survey, airborne radiometric survey, and airborne electromagnetic survey, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 263 (JR); 1974, p. 171 (Flo), p. 170 (Ormond); Assessment Reports 2317, 3689, 4356, 4956, 8056; Mineral Inventory 92E-12, 21, 22, 33, 45, 49.

MOHAWK, TAHSIS INLET, VIVIAN (Fig. E-1, NTS 92, No. 38)

LOCATION: Lat. 49° 51′ Long. 126° 36′ (92E/15E)
ALBERNI M.D. The claim group lies along the eastern edge of Tahsis Inlet, running from Leiner River on the north to Santiago Creek on the south.

CLAIMS: TAH 1 (6 units), TAH 2 to 15 (20 units each), TAH 16 to 18 (15 units each), TAH 19 (20 units).

OWNER: PAN OCEAN OIL LTD., 300 Fifth Avenue SW, Calgary, Alberta T2P 3C4.

METAL: Gold.

DESCRIPTION: Karmutsen lava flow rocks are common on the eastern edge of the property. They occupy both sides of a major northwest-trending fault and thus probably underlie most of the property. Quatsino limestone is common in the south-central portion of the property; some skarn development is noted. Some shaly limestone is thought to be Parson Bay. Bonanza volcanic rocks occur in the central property. Island intrusions outcrop in two areas.

WORK DONE: Geological mapping, 1:50 000; and geochemical surveys, 92 silt samples and 164 rock samples analysed for copper, lead, zinc, molybdenum, gold, arsenic, tungsten, tin, mercury, and silver and 14 heavy mineral samples analysed for gold, arsenic, tungsten, and tin, on Tah 1-19.

REFERENCES: *Geol. Surv., Canada*, Mem. 272, p. 54; Assessment Report 9130; Mineral Inventory 92E-5, 6, 59.

VANHALL (Fig. E-1, NTS 92, No. 39)

LOCATION: Lat. 49° 55′ Long. 126° 00′ (92F/13W, 92E/16E)
Report on this property in section 92F/13W.

ALBERNI 92F

OKAY (Fig. E-1, NTS 92, No. 40)

LOCATION: Lat. 49° 12′ Long. 124° 13′ (92F/1E)
NANAIMO M.D. Twenty-two kilometres west-northwest of Nanaimo, 5 kilometres west of Kidney Lake, on the north side of Okay Mountain.

CLAIM: OKAY (6 units).

OWNER: INVEX RESOURCES LTD., 709, 744 West Hastings Street, Vancouver V6C 1A9.

METAL: (Gold).

DESCRIPTION: Minor chalcopyrite and galena occur in quartz vein within pyritic tuffaceous rocks between argillites and andesitic volcanic flow rocks of the Sicker Group.

WORK DONE: Prospecting.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 127; Assessment Report 7641.

SKARN (Fig. E-1, NTS 92, No. 42)

LOCATION: Lat. 49° 04′ Long. 124° 28.5 (92F/1W)
NANAIMO M.D. Approximately 16 kilometres south-southwest of the junction of Marshall Creek and Englishman River, Nanaimo River cutting through the centre of claim group.

CLAIMS: JANE, TONI (12 units each), KATHY, LARRY (8 units each).

OWNER: WESTMOUNT RESOURCES LTD., Box 49194, 595 Burrard Street, Vancouver V7X 1K8.

METAL: Copper.

DESCRIPTION: The claims are underlain by sedimentary and volcanic rocks of the Sicker Group intruded by quartz diorite and related granitic rocks. The Upper Sicker Group is comprised of limestones, limy argillites, and siliceous to cherty dykes. Where these are intruded skarns have developed and these are commonly mineralized by monzonite, chalcopyrite, and pyrite.

WORK DONE: Diamond drilling, 8 NQ holes, totalling 2 091 metres, on Toni.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 109; Assessment Report 8487; Mineral Inventory 92F-182.

WO 6 (Fig. E-1, NTS 92, No. 44)

LOCATION: Lat. 49° 06.5′ Long. 124° 24′ (92F/1W)
NANAIMO M.D. Approximately 36 kilometres west of Nanaimo, 3 kilometres directly south of Moriarty Lake.

CLAIMS: WO 6 (20 units), WO 7 (10 units).

OWNER: CANAMIN RESOURCES LTD., 1704 Centenary Drive, Nanaimo.

DESCRIPTION: The claims are underlain by plutonic rocks which are cut by narrow dykes that are mineralized by minor stringers of pyrite, chalcopyrite, and magnetite. A fault exposed in a creek shows calcite, minor sphalerite, pyrite, and chalcopyrite.

WORK DONE: Prospecting.

REFERENCE: Assessment Report 8688.

KARLSSON (Fig. E-1, NTS 92, No. 41)

LOCATION: Lat. 49° 07′ Long. 124° 27′ (92F/1W)
NANAIMO M.D. Twenty-nine kilometres southeast of Port Alberni, just southeast of Labour Day Lake.

CLAIMS: AJ (20 units), AJ 2 (10 units), AJ 3 (15 units).

OWNER: G. E. White.

OPERATOR: OLIVER RESOURCES LTD, Box 35, Oliver V0H 1T0.

METALS: Gold, zinc, copper.

DESCRIPTION: The claims are underlain by Triassic Karmutsen Formation of andesitic volcanic rocks.

WORK DONE: Linecutting, ground magnetometer survey, and ground electromagnetic surveys, 36 kilometres; and geochemical survey, 345 soil samples analysed for lead, silver, copper, and zinc, on AJ and AJ 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 128 (AJ); Assessment Reports 7768, 8571; Mineral Inventory 92F-376.

VILLALTA, SPECOGNA COPPER (Fig. E-1, NTS 92, No. 45)

LOCATION: Lat. 49° 07′ Long. 124° 29′ (92F/1W)
NANAIMO M.D. Approximately 40 kilometres west of Nanaimo, just southwest of the headwaters of Cameron River.

CLAIMS: VILLALTA (8 units), VILLALTA A, B, C (2 units each), WOLFRAM 3 (8 units), WO 1 (3 units), WO 2 (6 units), WO 4, 5 (18 units each), SPECOGNA COPPER (20 units).

OWNERS: Canamin Resources Ltd. and E. Specogna.
OPERATOR: CANAMIN RESOURCES LTD., 1704 Centenary Drive, Nanaimo.
METALS: Copper, zinc, tungsten, silver, gold.
DESCRIPTION: Lenticular limestone, volcanic rocks, and altered intrusives contain minor tungsten, chalcopyrite, pyrite, bornite, and sphalerite in quartz-calcite veinlets and skarn. Drilling intersected a gold-bearing massive hematite zone.
WORK DONE: Prospecting, WO 4, Wolfram 3; trenching, 8 trenches, totalling 26 metres, on WO 4; diamond drilling, 5 NQ holes, totalling 398.4 metres, on Villalta A, D.
REFERENCES: Mineral Inventory 92F-37, 384; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1977, p. E 109 ; 1978, p. E 126; 1979, p. 128; Assessment Reports 7792, 7953, 8458, 8687.

MARY (Fig. E-1, NTS 92, No. 48)

LOCATION: Lat. 49° 03' Long. 124° 38' (92F/2E)
VICTORIA M.D. Twenty-five kilometres southeast of Port Alberni and 13 kilometres east of Alberni Inlet at Mount Spencer.
CLAIMS: CUP 1 to 6 (6 units).
OWNER: SUMMIT PASS RESOURCES CORP., 1020, 800 West Pender Street, Vancouver V6C 2V6.
METALS: Copper, molybdenum, lead, zinc.
DESCRIPTION: The claims are underlain by argillite and limestone of the Sicker Group, Karmutsen volcanic flow rocks, and Quatsino limestone. The Karmutsen and Quatsino rocks are intruded by feldspar porphyry dykes. Pyrrhotite, pyrite, chalcopyrite, sphalerite, galena, and molybdenite occur in quartz veinlets in fractured volcanic rocks near the dykes.
WORK DONE: 1979 – prospecting.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 111; Assessment Reports 6134, 8177; Mineral Inventory 92F-207.

LIGHTSTAR (Fig. E-1, NTS 92, No. 52)

LOCATION: Lat. 49° 03' Long. 124° 39' (92F/2E)
ALBERNI M.D. Approximately 11.5 kilometres southwest of McKinlay Peak, with Mount Spencer lying over the north-centre portion of claim group.
CLAIMS: LIGHTSTAR (20 units), STAR (15 units).
OWNER: ESPERANZA EXPLORATIONS LTD., 1027, 470 Granville Street, Vancouver V6C 1V5.
DESCRIPTION: The property is underlain by Jurassic granodiorite and quartz diorite and fault segments of partly Jurassic Bonanza sedimentary rocks and Triassic Karmutsen volcanic rocks which form linear northwesterly trending bands across the claims. A small remnant of Quatsino limestone occurs at the northern boundary.
WORK DONE: 1979 and 1980 – geochemical survey, 6 silt samples analysed for gold, 16 soil samples analysed for lead, zinc, and gold, and 4 rock samples analysed for gold and silver, on both claims.
REFERENCE: Assessment Report 8722.

BLACK PANTHER, BLACK LION (Fig. E-1, NTS 92, No. 46)

LOCATION: Lat. 49° 05' Long. 124° 36' (92F/2E)
VICTORIA M.D. Twenty kilometres southeast of Port Alberni in the Mount McQuillan area.

CLAIMS: JAN (20 units), MAR (20 units), REMY (15 units), WAR LION (Lot 152G), CONQUEROR (Lot 153G), MAJESTIC (Lot 154G), EMPRESS OF INDIA (Lot 155G), IXL (Lot 156G), RIDGE, APEX (Lot 99G), SKYLINE (Lot 100G), BLACK PANTHER 1 to 6 (Lots 54G to 59G), BLONDE PANTHER FR. 1 and 2 (Lots 62G and 63G), BANK OF CANADA 1 and 2 (Lots 52G, 53G).

OWNERS: E. Shorn, Jan Resources Ltd., H. Miller, J. Kruzick, T. D. McEwan, Black Panther Mining Co.

OPERATOR: JAN RESOURCES LTD., 811, 543 Granville Street, Vancouver V6C 1X8.

METALS: Gold, silver, (copper, lead).

DESCRIPTION: The claims lie within a belt of predominantly Nitinat Formation of the Sicker Group with minor occurrence of the overlying Myra Formation. These are intruded by Jurassic Island intrusions and Tertiary Catface intrusions. Two gold-quartz-carbonate zones occur, the Black Panther and High Grade.

WORK DONE: 1979 – geochemical survey, 106 soil and 49 silt samples analysed for copper, lead, and zinc on Jan and Mar; 1980 – diamond drilling, 5 NQ holes, totalling 1 154.60 metres, on Mar; and geochemical survey, 541 soil samples analysed for copper, lead, and zinc and 135 soil samples analysed for silver on Jan, Mar, and Remy.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1948, p. 158; Assessment Reports 7857, 9639; Mineral Inventory 92F-84, 85.

THISTLE (Fig. E-1, NTS 92, No. 49)

LOCATION: Lat. 49° 07' Long. 124° 40' (92F/2E)
ALBERNI M.D. Eighteen kilometres southeast of Port Alberni, covering Father and Son Lake, 3 kilometres west of Mount McQuillan.

CLAIMS: SUE, CROW, LEVI (20 units each).

OWNER: G. White.

OPERATOR: KARGEN DEVELOPMENT CORP., 9251 Belkwith Road, Richmond.

METALS: Gold, copper.

DESCRIPTION: The country rock is mainly volcanic including carbonate in which shear zones are mineralized with replacement pyrite and chalcopyrite.

WORK DONE: 1979 – linecutting, 22 kilometres; and geochemical survey, 362 soil samples analysed for copper, silver, and zinc, on all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 238; Assessment Report 8088; Mineral Inventory 92F-83.

LIZARD (Fig. E-1, NTS 92, No. 47)

LOCATION: Lat. 49° 08' Long. 124° 40' (92F/2E)
ALBERNI M.D. Fifteen kilometres southeast of Port Alberni, centred on Lizard Lake.

CLAIMS: LIZARD (9 units), DINOSAUR (3 units), CRINOSAURUS (16 units), DIPLODOCUS (15 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V3G 1H4.

METALS: Gold, silver, copper, arsenic.

DESCRIPTION: The claims east of Lizard Lake are underlain by andesitic and cherty tuffs and younger series of endocrinitic limestone (Battle Lake limestone) with minor cherts and argillites, all of the Paleozoic Sicker Group. West of the lake the claims are underlain by thick Karmutsen basalts. Large dioritic dykes intrude the Sicker Group. Gold mineralization associated with quartz, pyrite, and chalcopyrite is observed.

WORK DONE: Trenching, 305 metres; and geochemical surveys, 354 soil samples analysed for gold, zinc, and copper and 77 rock samples analysed for copper, zinc, silver, gold with 18 analysed for copper, lead, zinc, silver, gold, tin, and arsenic, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 111 (Tasha); 1978, p. E 127; 1979, pp. 128, 129; Assessment Reports 6153, 7719, 8568, 8981; Mineral Inventory 92F-285.

LUCY (TASHA) **(Fig. E-1, NTS 92, No. 53)**

LOCATION: Lat. 49° 11′ Long. 124° 41′ (92F/2E)
ALBERNI and NANAIMO M.D. Approximately 10 kilometres southeast of Port Alberni, covering McLaughlin Ridge, between Cameron River and China Creek.

CLAIMS: OETS (20 units), OETS 2 (16 units), DEBBIE 1 (20 units), DEBBIE 2 (12 units), DEBBIE 3 (20 units), LILY 1 (20 units), LILY 2 (16 units), LUCY 1 (15 units), LUCY 2 (12 units), LUCY 3 (16 units), CAM (6 units), LINDA 1 (16 units), LINDA 2 (12 units), JENNY (20 units), LOUPY (6 units).

OWNER: WESTERN MINES LTD., Box 49066, 1103 Three Bentall Centre, 595 Burrard Street, Vancouver V7X 1C4.

DESCRIPTION: Minor sulphide occurrences are locally present in a heterolithic succession of volcanic rocks of the Sicker Group (Paleozoic).

WORK DONE: Geological mapping, 1:5000, covering most of the claims; induced polarization survey, 8.9 kilometres, on Oets, Oets 2, Linda 1, 2; geochemical surveys, 4 022 soil samples analysed for copper, lead, and zinc on Oets 1, 2, Linda 1, 2, Lucy 1, 2, 3, Jenny, Loupy, Cam, Debbie 1, 2, 3 and 42 silt samples analysed for copper, lead, and zinc on Lily 1, 2; linecutting, 51.1 kilometres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 111; Assessment Reports 6153, 7984, 8227, 8249, 8289, 9111.

INDEPENDENT **(Fig. E-1, NTS 92, No. 54)**

LOCATION: Lat. 49° 12′ Long. 124° 32′ (92F/2E)
NANAIMO M.D. Approximately 4 kilometres northeast of the junction of Cameron River and Kammat Creek.

CLAIM: TYBER (20 units).

OWNER: E. STEVENS, RR 3, Holland Road, Nanaimo.

METALS: Copper, silver.

DESCRIPTION: Mineralized quartz veins and siliceous shear zones occur in dark basaltic lava rocks of the Karmutsen Formation. The quartz veins contain pyrite, chalcopyrite, pyrrhotite, and in some cases sphalerite, magnetite, arsenopyrite, and black, sooty manganese staining.

WORK DONE: Prospecting.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1916, p. 326; Assessment Report 9432; Mineral Inventory 92F-236.

THREE JAYS (HAYES) (Fig. E-1, NTS 92, No. 55)

LOCATION: Lat. 49° 02′ Long. 124° 52′ (92F/2W)
ALBERNI M.D. The claims are about 29 kilometres south of Port Alberni on the west side of Alberni Inlet. They are about 2 500 metres south of Nahmint Bay.

CLAIMS: IME 1 to 22, SOUTHERN CROSS (Lot 519), PACIFIC (Lot 520), NORWAY (Lot 521), BALLARAT (Lot 523), THREE JAYS (Lot 524), THREE JAYS NO. 2 (Lot 525), THREE JAYS NO. 3 (Lot 526), BLUEJAY (Lot 527), Mineral Leases M-33 VIKING (Lot 522), M-34 NORTH POLE (Lot 518).

OWNER: T. E. Kirk.

OPERATOR: ISLAND MINING AND EXPLORATIONS CO. LTD., 900, 475 Howe Street, Vancouver V6C 2B3.

METALS: Copper, silver, iron, gold.

DESCRIPTION: The property is situated within andesitic rocks of the Karmutsen Formation (Middle to Upper Triassic). The rocks are fractured, silicified, and contain swarms of narrow quartz veins. Skarn type of mineralization consists of tactite, magnetite, pyrite, and chalcopyrite.

WORK DONE: Geochemical survey, 119 soil samples analysed for copper, molybdenum, zinc, and silver and 10 rock samples analysed for copper, silver, and gold, on Lots 519 and 520, IME 3-5, 7-14, 16, 18, 20, 22.

REFERENCES: Assessment Report 8286; Mineral Inventory 92F-140.

KOLA (Fig. E-1, NTS 92, No. 56)

LOCATION: Lat. 49° 12′ Long. 124° 58′ (92F/2W)
ALBERNI M.D. Approximately 6.3 kilometres north-northeast of the mouth of Nahmint Lake and Nahmint River.

CLAIMS: KOLA 1 to 4 (4 units), CREEK 1 to 4 (4 units), JEAN 1, LARRY 1, ROL 1, TOM 1 (20 units each).

OWNER: PACIFIC SEADRIFT RESOURCES LTD., 1000, 789 West Pender Street, Vancouver.

METAL: (Copper).

DESCRIPTION: The property is underlain by volcanic and sedimentary rocks of the Karmutsen Formation and Bonanza Group. Mineralization consists of massive pods and lenses of pyrite and chalcopyrite within a shear zone of andesitic volcanic rocks.

WORK DONE: Airborne electromagnetic and airborne magnetometer surveys, 300 kilometres, covering all claims.

REFERENCE: Assessment Report 9313.

RAINY DAY (Fig. E-1, NTS 92, No. 57)

LOCATION: Lat. 49° 03′ Long. 125° 01′ (92F/3E)
ALBERNI M.D. Approximately 25 kilometres southwest of Port Alberni; claims are on the eastern border of Henderson Lake, 3 kilometres north of Snug Basin.

CLAIMS: RAINY DAY (Lot 379), DUSTY RHODES, DWIGHTS, LOU'S COPPER.

OWNER: A. Ingelson.

OPERATOR: L. MacEACHERN, 323 – 41st Avenue NE, Calgary, Alberta.

METALS: Copper, iron.

DESCRIPTION: Magnetite, chalcopyrite, and pyrite occur in vein approximately 25 centimetres wide in 2 outcrops exposed in road cuts.

WORK DONE: Geological mapping, 1:3650, on Rainy Day, Dusty Rhodes, and Dwights.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 233; Assessment Reports 2856, 8898; Mineral Inventory 92F-166.

CHRIS (Fig. E-1, NTS 92, No. 58)

LOCATION: Lat. 49° 03′ Long. 125° 11.5′ (92F/3E)
ALBERNI M.D. Approximately 6 kilometres south from the point where the Effingham River meets Effingham Inlet; the eastern tip of Pipestem Inlet cuts into the southwest corner of the property.

CLAIMS: PIPE (20 units), ISLAND 1, ISLAND 2, ISLAND 3, ISLAND 4 (1 unit each).

OWNER: G. Loy.

OPERATOR: LANDMARK RESOURCES LTD., 417, 402 West Pender Street, Vancouver V6B 1T3.

METALS: Copper, iron, (limestone).

DESCRIPTION: The claims cover a poorly exposed area of mineralized intrusive porphyry with associated skarn mineralization.

WORK DONE: Linecutting, 3 kilometres; and geochemical survey, 56 soil samples analysed for copper, zinc, gold, and silver, on Pipe.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 234; Assessment Reports 3062, 8809; Mineral Inventory 92F-279, 280, 414.

AU (Fig. E-1, NTS 92, No. 59)

LOCATION: Lat. 49° 09′ 125° 24′ (92F/3W)
ALBERNI M.D. Approximately 25 kilometres north-northeast of Ucluelet and 2 kilometres east of Kennedy River (approximately 2 kilometres before river enters Kennedy Lake).

CLAIMS: AU 1 to 8 (1 unit each).

OWNER: MULTINATIONAL RESOURCES INC., 308, 1030 West Georgia Street, Vancouver.

METALS: (Zinc, molybdenum).

DESCRIPTION: The property is underlain by Karmutsen volcanic rocks (Upper Triassic), pyritic rhyolite, and Island intrusive rocks. Minor sphalerite and molybdenite occur in faults containing quartz veins.

WORK DONE: Prospecting.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 129; Assessment Reports 7392, 8242.

TOFINO (Fig. E-1, NTS 92, No. 60)

LOCATION: Lat. 49° 14′ Long. 125° 35′ (92F/4E)
ALBERNI M.D. On Vancouver Island at the head of Tofino Inlet.

CLAIMS: TOFINO 1 to 3, TOFINO 5 (totalling 5 units), PAWNEE 1 to 3 (totalling 44 units).

OWNERS: L. Hansen and Pawnee Oil Corp.

OPERATOR: PAWNEE OIL CORP., 821, 602 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: The rocks are volcanic andesites and sedimentary carbonates of the Sicker Group (Paleozoic) intruded by plutonic quartz diorite (Cretaceous). Chalcopyrite, bornite, and molybdenite occur in an intrusive country rock contact zone.

WORK DONE: 1979 – diamond drilling, 8 BQ holes, totalling 336 metres, on Pawnee.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 230; Assessment Report 8106; Mineral Inventory 92F-23.

JIM (Fig. E-1, NTS 92, No. 62)

LOCATION: Lat. 49° 08′ Long. 125° 52′ (92F/4W)
ALBERNI M.D. Off the west coast of Vancouver Island on the southwest part of Meares Island, approximately 9 kilometres north-northeast of Tofino.

CLAIM: JIM (10 units).

OWNERS: J. McLeod and T & S Enterprises Ltd.

OPERATOR: J. McLEOD, 1004, 789 West Pender Street, Vancouver.

DESCRIPTION: The underlying rocks are of gneissic texture and nonfoliated volcanic and sedimentary rocks. These rocks may have been derived from the Sicker rocks (Early Pennsylvanian). Alteration is mainly development of chlorite, pyrite, and magnetite.

WORK DONE: 1979 – airborne magnetometer survey and airborne radiometric survey, 32 kilometres, on Jim.

REFERENCE: Assessment Report 8194.

TWIN PEAK (Fig. E-1, NTS 92, No. 61)

LOCATION: Lat. 49° 12′ Long. 125° 50′ (92F/4W)
ALBERNI M.D. Just off the west coast of Vancouver Island, on Meares Island approximately 4 kilometres northeast of Tofino.

CLAIMS: TWIN PEAK, KEEHA (18 units each).

OWNER: DOUGLE EAGLE ENERGY & RESOURCES LTD., 937, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: Andesitic volcanic rocks of the Sicker Group (Paleozoic) in places lie on younger West Coast Complex gneiss. The gneiss may have been derived from the Sicker rocks. Chloritization and silicification in fractures are pervasive.

WORK DONE: 1979 – geochemical survey, 29 soil samples analysed for arsenic, gold, silver, and copper, on both claims.

REFERENCES: Assessment Reports 2108, 8002.

COPPER (Fig. E-1, NTS 92, No. 63)

LOCATION: Lat. 49° 14′ Long. 125° 52′ (92F/4W)
ALBERNI M.D. Off the west coast of Vancouver Island on the north end of Meares Island, approximately 9 kilometres north-northeast of Tofino.

CLAIMS: COPPER (6 units), MOLY (4 units), CLARKEE (6 units).

OWNERS: J. McLeod and East West Resource Corp.

OPERATOR: J. McLEOD, 1044, 789 West Pender Street, Vancouver.

DESCRIPTION: The underlying rock is the West Coast Complex gneiss (Permian) showing some chlorite, epidote, sericite, and pyrite alteration.

WORK DONE: 1979 – airborne magnetometer survey, 70 kilometres, covering all claims.

REFERENCE: Assessment Report 8193.

THUNDERBIRD (Fig. E-1, NTS 92, No. 66)

LOCATION: Lat. 49° 22.5′ Long. 125° 35′ (92F/5E)
ALBERNI M.D. Approximately 6 kilometres south of Leader Lake on either side of Ursus Creek, approximately 32 kilometres northeast of Tofino.

CLAIMS: UREKA 1 to 14.

OWNERS: S. GRAIG, Box 71, Tofino and G. MILLER, 1182 Eber Road, Ucluelet.

METALS: Gold, silver, copper.

DESCRIPTION: The claims are underlain chiefly by granitic intrusive rocks; a small body of andesitic volcanic rocks occurs at the northeast corner of the claims and also on the most westerly. Two strong fault zones some 182 metres apart, striking east-west and dipping near-vertical, have quartz, galena, sphalerite, and pyrite associated.

WORK DONE: Prospecting, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 8, 1940, p. 67; Assessment Report 9378; Mineral Inventory 92F-67.

PROSPER, BROOKLYN, AVON (Fig. E-1, NTS 92, No. 65)

LOCATION: Lat. 49° 23′ Long. 125° 44′ (92F/5E)
ALBERNI M.D. Twenty-eight kilometres north-northeast of Tofino at the junction of Ursus Creek and Bedwell River.

CLAIMS: BES 43 (3 units), BEC 24 (3 units), BEN 1 to 4, BAT 1 to 4.

OWNERS: Golden Hinde Mines Ltd. and W. Guppy.

OPERATOR: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino V0R 2Z0.

METALS: Gold, silver, copper, lead, iron.

DESCRIPTION: The claims are underlain mainly by Upper Triassic volcanic rocks and limestone of the Karmutsen Formation. Mineralized quartz veins occur in volcanic rocks near the southern boundary of the Bedwell River batholith.

WORK DONE: Backhoe trenching, 60 metres by 2 metres; and surface trenching, 20 metres, on Bes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 111; 1978, p. E 128; 1979, p. 130; Mineral Inventory 92F-53, 350, 354.

OK (Fig. E-1, NTS 92, No. 64)

LOCATION: Lat. 49° 26′ Long. 125° 44′ (92F/5E)
ALBERNI M.D. Thirty-five kilometres north-northeast of Tofino, on the north side of Bedwell River.

CLAIMS: CUB 2, CUB 4, CUB 11, CUB 12.

OWNER: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino V0R 2Z0.

METALS: Gold, silver, molybdenum.

DESCRIPTION: A quartz vein containing pyrite and minor sphalerite and galena occurs in a shear zone in Bedwell batholith quartz diorite.

WORK DONE: Linecutting, 1500 metres, on Cub 2, 11, and 12; and trenching 3 metres by 3 metres by 2 metres, on Cub 11.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 129; 1979, pp. 129, 130; Mineral Inventory 92F-58.

TRI (Fig. E-1, NTS 92, No. 68)

LOCATION: Lat. 49° 18' Long. 125° 21' (92F/6W)
ALBERNI M.D. On the Taylor River, 4 kilometres west of Doran Lake.
CLAIMS: CUZN 1 to 8.
OWNER: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino V0R 2Z0.
METALS: Copper, zinc.
DESCRIPTION: Limestone near contact with Karmutsen volcanic rocks contains mineralized skarn.
WORK DONE: Backhoe trenching, 50 metres, 1-2 metres deep; stripping, 100 square metres; and rock work, 3 cuts, 3 metres by 1 metre, all on Cuzn 2.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 111; 1978, p. E 129; 1979, p. 131; Mineral Inventory 92F-281.

MT (TAY) (Fig. E-1, NTS 92, No. 67)

LOCATION: Lat. 49° 19' Long. 125° 16' (92F/6W)
ALBERNI M.D. Approximately 35 kilometres west-northwest of Alberni, lying just south of Doran Lake with the southern tip of the claims cut by Taylor River.
CLAIMS: TAY 1 to 18.
OWNER: F. Milakovich.
OPERATOR: DALMATIAN RESOURCES LTD., 3585 East 46th Avenue, Vancouver V5S 1B7.
METAL: (Gold).
DESCRIPTION: The property is underlain by Upper Triassic Karmutsen volcanic rocks and by Late Triassic Island granitic rocks. An auriferous quartz vein carries pyrite and arsenopyrite.
WORK DONE: Ground magnetometer survey, 4.5 kilometres; and diamond drilling, 3 BQ holes, totalling 89.61 metres, on Tay 1 and 2.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 131; Assessment Reports 5698, 7191, 7963, 9596; Mineral Inventory 92F-212.

STROMBURG (Fig. E-1, NTS 92, No. 70)

LOCATION: Lat. 49° 35' Long. 124° 20' (92F/9W)
NANAIMO M.D. Approximately 90 kilometres northwest of Vancouver on the west side of Texada Island, 12 kilometres southeast of Gillies Bay.
CLAIMS: TEXISLE 1 to 8 (8 units).
OWNER: AARON MINING LTD., Box 11107, Suite 1400, 1055 West Georgia Street, Vancouver.
METAL: Copper.
WORK DONE: Geochemical survey, 84 soil and 2 rock samples analysed for copper, gold, and silver on Texisle 3-6.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 101; Assessment Report 8175; Mineral Inventory 92F-223.

IDEAL BASIC INDUSTRIES (Fig. E-1, NTS 92, No. 71)

LOCATION: Lat. 49° 43' Long. 124° 34' (92F/10E)
NANAIMO M.D. Approximately 4 kilometres south of Vananda, approximately 3 kilometres east of Surprise Mountain.

(92F/10E)

CLAIMS: VOLUNTEER (Lot 131), EUROPE (Lot 133), GREAT COPPER CHIEF (Lot 134), MARBLE BAY (Lot 154), TOOTHPICK FR. (Lot 140), COPPER QUEEN (Lot 40), CORNEL (Lot 201), McLEOD 3 to 5 (Lots 515 to 517), McLEOD 6 and 7 (Lots 518B and 519B), McLEOD 8 and 1 and 2 FR. (Lots 520 to 522), LAP 1 to 4 FR. (Lots 523, 524B, 525, 526), LAP 5 and 6 (Lots 527 and 528), LAP 8 FR. (Lot 530B), MARBLE BAY 2 Fraction, STURT BAY 1 and 2, TRUE, BASIC 1 to 9, 11 to 13, 15, 16, 19, 20, 23, BASIC 24, 26, 28 Fractions, IDEAL 10, 14, 17, 18, 21, 22, 26, B-40882, B-40884, B-40886 to B-40889, B-40900, B-41066, ANN Fraction, IC 1 to 4, 11 to 16, and Mineral Leases M-1 and M-15.

OWNER: Ideal Basic Industries Inc.

OPERATOR: SHIMA RESOURCES LTD., 806, 475 Howe Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The claims are underlain by limestone and intruded by diorite-granodiorite. Molybdenite occurs in skarns at the contact.

WORK DONE: 1979 – diamond drilling, 6 BQ holes, totalling 628.8 metres, on McLeod 3; linecutting; gravity survey; ground magnetometer survey; ground electromagnetic survey; and induced polarization survey, all on Line, Basic and McLeod; 1980 – diamond drilling, 10 holes, totalling 1501.8 metres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, 1976, pp. E 115, E 116; 1977, pp. E 113, E 114; Assessment Reports 8004, 9300; Mineral Inventory 92F-105.

VICTORIA (Fig. E-1, NTS 92, No. 72)

LOCATION: Lat. 49° 43.5' Long. 124° 35' (92F/10E)
NANAIMO M.D. Approximately 3 kilometres north-northeast from Davis Bay on Texada Island.

CLAIMS: LAST LINK (Lot 51), GERALD D (Lot 442), HAROLD D (Lot 443), DANDY FR. (Lot 444), VICTORIA (Lot 47), TEXADA (Lot 48), CLIMAX (Lot 49), LINDSAY (Lot 50), CRACKER JACK FR. (Lot 445).

OWNERS: C. Beale and D. Beale.

OPERATOR: STANLEY BEALE, 4469 Belmont, Vancouver.

METAL: Gold.

DESCRIPTION: The property is mainly underlain by quartz diorite and diorite-gabbro intrusive rocks.

WORK DONE: 1979 – geochemical survey, 44 soil samples analysed; 1980 – geochemical survey, 75 soil samples analysed for gold.

REFERENCES: *Geol. Surv., Canada*, Paper 68-50, p. 39; Assessment Reports 7939, 9511; Mineral Inventory 92F-264.

GOLDEN ROD (Fig. E-1, NTS 92, No. 73)

LOCATION: Lat. 49° 44' Long. 124° 34' (92F/10E)
NANAIMO M.D. On the north end of Texada Island, 2 kilometres south of Priest Lake.

CLAIMS: GOLDEN ROD, GOLDEN ROD 2, GOLDEN ROD Fraction, MARY Fraction.

OWNERS: E. T. JOHANSON, R. DUHER, R. SAMUELSON, K. GREENE, all of General Delivery, Vananda V0N 3K0.

DESCRIPTION: The rocks on the claims are mainly pyroclastic with a band of andesite running through it from north to south. Several faults cross the claims with minor mineralized fractures containing quartz, copper, lead, and zinc. The gold values found to date are mainly in or alongside a 5.5-metre-wide diorite dyke with a nearly vertical dip. It contains a network of quartz-filled fractures with manganese and some pyrite and gold content. A 1.8-metre-wide quartz and sulphide vein along the west wall contact assays 56 grams to 198 grams in gold where unleached. Similar veins cut diagonally across the dyke and along the east contact but contain less gold.

WORK DONE: Trenching, 4 trenches, 83 square metres; test pits, 24 square metres; and stripping, 25 square metres, all on Golden Rod; self-potential survey; and 15 samples taken for assay, on Golden Rod and Golden Rod 2.

PRICE, SEVRENS (Fig. E-1, NTS 92, No. 74)

LOCATION: Lat. 49° 34′ Long. 125° 33′ (92F/12E)
ALBERNI M.D. Eighteen kilometres northeast of Vargas at the southern end of Buttle Lake.

CLAIMS: W 3 to W 5, 7, 10, 17 to 19, 49 to 55, 61 to 71 (except 68), 72 to 79, 88, 89, 116 FR., 100, BARITE (Lot 1972).

OWNER: WESTERN MINES LTD., Box 8000, Campbell River.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: Stratabound gold-silver-copper-lead-zinc mineralization occurring in Sicker Group volcanic rocks.

WORK DONE: Diamond drilling, 6 NQ holes, totalling 1 483.2 metres, on W 17 and 71; 5 AQ holes, totalling 1 183.3 metres and 3 EXT holes, totalling 323 metres, on Barite.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 130 (Price); Assessment Report 3243; Mineral Inventory 92F-73, 198.

DONNER LAKE (DONNER–HEBER) (Fig. E-1, NTS 92, No. 75)

LOCATION: Lat. 49° 45.5′ Long. 125° 57′ (92F/12W)
ALBERNI M.D. On Vancouver Island adjoining the western boundary of Strathcona Park north of Donner Lake and the Ucona River.

CLAIMS: DONNER LAKE (6 units), COPPER KING (12 units), COPPER QUEEN (12 units), WHITE RIDGE (12 units), DONNER 1 to 10, 42, 43, HEBER 3 to 6.

OWNER: W. Babkirk.

OPERATOR: CON–AM RESOURCES LTD., Suite 801, 535 – 13th Avenue SW, Calgary, Alberta T2R 0K5.

METAL: Copper.

DESCRIPTION: Numerous tabular skarn zones occur within Karmutsen basalts, Quatsino limestone, and at contact of these with each other and the Island intrusive rocks. The skarns consist primarily of magnetite, garnet, epidote, and occasionally chalcopyrite and sphalerite.

WORK DONE: 1979 – geological mapping, 1:5000, covering all claims; diamond drilling, 5 AX holes, totalling 166 metres; ground magnetometer survey, 4 kilometres; and geochemical survey, 29 rock samples analysed, on White Ridge.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 114; 1978, p. E 131; Assessment Reports 4972, 5853, 6281, 6705, 7410, 8037; Mineral Inventory 92F-202.

VANHALL **(Fig. E-1, NTS 92, No. 39)**

LOCATION: Lat. 49° 55′ Long. 126° 00′ (92F/13W, 92E/16E)
ALBERNI M.D. Centre of Vancouver Island, approximately 4.8 kilometres south of Gold Lake and 13 kilometres north of the town of Gold River.
CLAIM: VANHALL (6 units).
OWNERS: A. Dyakowski and Eastern Leaseholds Inc.
OPERATOR: EASTERN LEASEHOLDS INC., 314, 543 Granville Street, Vancouver V6C 1X8.
METALS: (Copper, zinc, molybdenum).
DESCRIPTION: Fractured and altered basalt and andesite of the Karmutsen Formation (Upper Triassic) are intruded by quartz diorite. Pyrite, magnetite, and pyrrhotite with minor amounts of copper, zinc, and molybdenum sulphides and gold and silver values occur in float and quartz veins.
WORK DONE: Geochemical survey, 46 soil samples analysed for molybdenum, copper, and silver, on Vanhall.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 263; Assessment Reports 2436, 3953, 8065; Mineral Inventory 92E-50; 92F-38, 169.

MT. WASHINGTON COPPER **(Fig. E-1, NTS 92, No. 76)**

LOCATION: Lat. 49° 46.9′ Long. 125° 18.2′ (92F/14W)
NANAIMO M.D. Approximately 9 kilometres southeast from the junction of Oyster River and Piggott Creek, 2 kilometres north of Mount Washington.
CLAIMS: MWC 103 to 114, 116, 118 to 130, 131 Fraction, 133, 134, 137 to 140, 141 Fraction, 142 Fraction, 170 Fraction, 173 to 192, 201 to 204, 211 to 213, 215 to 218, 222 Fraction, 223 to 230, 232, 234 to 244, 247 to 252, 257, 258, 281 to 284.
OWNER: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver.
METAL: Copper.
DESCRIPTION: The property is underlain by Triassic Karmutsen Formation volcanic rocks overlain unconformably by Cretaceous Comox Formation sedimentary rocks and intruded by Tertiary quartz diorite intrusive breccias. The quartz diorite breccias occur as stocks and sills. Two west-northwest-striking faults extend through the area.
WORK DONE: Metallurgy by *in situ* leaching experiments.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 131, E 132; Assessment Reports 5146, 5267, 5604, 6407, 5979, 5980, 6930, 9445; Mineral Inventory 92F-116, 117, 206, 365.

MAR **(Fig. E-1, NTS 92, No. 77)**

LOCATION: Lat. 49° 45′ Long. 124° 35′ (92F/15E)
NANAIMO M.D. On the northwest coast of Texada Island covering Marshall Point, 6 kilometres northwest of Vananda.
CLAIM: MAR (4 units).
OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta.
DESCRIPTION: A few outcrops on the property consist of limestone (reef type, Triassic ?) and mafic dykes. The dykes contain minor pyrite and pyrrhotite and dip 70 degrees southerly.

WORK DONE: Geological mapping, 1:2400, on Mar.
REFERENCES: Assessment Reports 6156, 8203.

LOYAL, PARIS, CANADA (Fig. E-1, NTS 92, No. 78)

LOCATION: Lat. 49° 47′ Long. 124° 35′ (92F/15E)
NANAIMO M.D. At the north end of Texada Island just south of Blubber Bay.
CLAIMS: CORTEZ 1 to 16, ED 1 to 17, ED FR. 1, HUMAK, HUMAK A, HUMAK B.
OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta.
METALS: (Copper, iron).
DESCRIPTION: The Marble Bay limestone is cut by mafic dykes resulting in skarn zones. The skarn minerals include chalcopyrite, bornite, magnetite, and traces of gold and silver. The showings have been explored by the old Paris and Loyal mines and surface workings.
WORK DONE: Geological mapping, 1:2400; and linecutting, approximately 25 kilometres, on Cortez and Ed.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 134; Assessment Reports 5516, 5763, 6842, 8206; Mineral Inventory 92F-265, 266, 267.

JOHN BULL, FLORENCE (Fig. E-1, NTS 92, No. 79)

LOCATION: Lat. 49° 57′ Long. 124° 41′ (92F/15E)
VANCOUVER M.D. On the Malaspina Peninsula between Powell River and Lund, bordering on the western shore.
CLAIMS: LUN 1 to 14.
OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta V4K 2T8.
METALS: Gold, silver, copper, zinc, lead.
DESCRIPTION: Limited sulphide mineralization occurs in altered limestone and skarn zones.
WORK DONE: Ground magnetometer survey and induced polarization survey, approximately 12 kilometres each, on LUN 7-14.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 116; Assessment Reports 5439, 6258, 8003; Mineral Inventory 92F-146, 147, 148.

APRIL (Fig. E-1, NTS 92, No. 81)

LOCATION: Lat. 49° 55′ Long. 124° 16′ (92F/16W)
VANCOUVER M.D. Twenty-one kilometres east of Powell River, 2 kilometres east of the north end of Horseshoe Lake.
CLAIM: APRIL 2 (12 units).
OWNER: R. E. MICKLE, 5416 Manson Avenue, Powell River V8A 3P4.
WORK DONE: Geochemical survey, 80 silt samples taken, on April 2.

TT (Fig. E-1, NTS 92, No. 82)

LOCATION: Lat. 49° 56′ Long. 124° 21′ (92F/16W)
VANCOUVER M.D. Seventeen kilometres northeast of Powell River, 1 kilometre south of Lewis Lake and 1 kilometre northwest of Horseshoe Lake.
CLAIMS: FEB 1 to 5 (20 units each), APRIL 1 (5 units).
OWNER: M. Joy.
OPERATOR: R. E. MICKLE, 5416 Manson Avenue, Powell River V8A 3P4.

METALS: Copper, molybdenum.
WORK DONE: Trenching, 1 trench, 20 metres; and geochemical survey, 620 soil and silt samples analysed for copper and molybdenum, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 273; Mineral Inventory 92F-346.

LINDA (Fig. E-1, NTS 92, No. 90)

LOCATION: Lat. 50° 00′ Long. 124° 05′ (92F/16E; 92K/1E)
VANCOUVER M.D. Thirty-six kilometres east-northeast of Powell River, on Lois River near Diadem Mountain.
CLAIM: DIADEM (9 units).
OWNER: J. Glass.
OPERATOR: FURY EXPLORATIONS LTD., 433, 355 Burrard Street, Vancouver.
METALS: (Zinc, copper, iron).
DESCRIPTION: Massive pyrrhotite, sphalerite, and lesser amounts of chalcopyrite, magnetite, and pyrite occur in folded and sheared quartzites, argillites, and andesitic flow rocks that have been intruded by the Coast Range batholith.
WORK DONE: 1979 – ground electromagnetic survey, 2.14 kilometres; and geochemical survey, 42 rock samples analysed for copper, lead, zinc, and silver, on Diadem.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 253; Assessment Reports 2621, 3329, 8630; Mineral Inventory 92F-282, 283.

VANCOUVER 92G

COPPER BAY (Fig. E-1, NTS 92, No. 83)

LOCATION: Lat. 49° 30′ Long. 123° 24′ (92G/6W, 11W)
VANCOUVER M.D. The claims cover Gambier Island about 15 kilometres west-northwest from Horseshoe Bay.
CLAIMS: MB 1 to 16, MB 18 (total 239 units).
OWNER: 20TH CENTURY ENERGY CORP., 1200, 800 West Pender Street, Vancouver V6C 2V6.
METALS: Copper, silver, molybdenum.
DESCRIPTION: Large discontinuous arcuate zone of mineralized rock 800 metres long and 100 metres wide situated in and near a quartz porphyry stock some 300 metres in diameter.
WORK DONE: Diamond drilling, 21 BQ holes, totalling 4 121 metres, on MB 10, 11, and 18.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 137; 1979, p. 135; Assessment Reports 3908, 7730, 7741, 8633; Mineral Inventory 92G/NW-25.

VIKING (Fig. E-1, NTS 92, No. 84)

LOCATION: Lat. 49° 21′ Long. 122° 34′ (92G/7E)
NEW WESTMINSTER M.D. On the southeastern shore of Pitt Lake, covering the lower part of Stephenson Creek.
CLAIMS: EXPREMIER, PIONEER, LAKEVIEW, HILLSIDE (Lots 5578 to 5581).
OWNER: J. M. Alston.

OPERATOR: E. SMITH, 1451 Woodlands Drive, Vancouver.
METALS: Copper, gold, silver.
DESCRIPTION: Pyrite, pyrrhotite, and chalcopyrite with values in gold and silver occur in gabbroic rocks.
WORK DONE: 1979 – prospecting, covering all claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1930, p. 313; Assessment Reports 4862, 7881; Mineral Inventory 92G/SE-9.

MAC (Fig. E-1, NTS 92, No. 85)

LOCATION: Lat. 49° 22′ Long. 122° 37′ (92G/7E)
NEW WESTMINSTER M.D. North of Port Coquitlam, on the west bank of Pitt Lake.
CLAIMS: MAC–1 to MAC–6, MAC–9, MIG–1, META–1, AURA–1, GEO–1 (total 128 units).
OWNER: NORTHERN ENERGY CORP., 950, 409 Granville Street, Vancouver V6E 1T5.
WORK DONE: Prospecting, on all claims.

STANDARD (Fig. E-1, NTS 92, No. 86)

LOCATION: Lat. 49° 26′ Long. 122° 34′ (92G/7E)
NEW WESTMINSTER M.D. From the most western part of Widgeon Lake and Widgeon Creek flows north to south through most of the property.
CLAIMS: FLOSS 1 to 4, EDWARD, SHIRLEY, LINDA, CHRISTIEN, BB 1 to 13 (total 182 units).
OWNERS: B. Lang, E. C. Richardson, and B. Langston.
OPERATOR: RODEO RESOURCES LTD., 2505, 1200 Sixth Street SW, Calgary, Alberta.
METALS: Copper, molybdenum, silver, gold.
DESCRIPTION: The claims are underlain chiefly by hornblende diorite of the Coast Complex, having a prominent suborthogonal joint set. The north 15-degree east and north 20-degree west joints in particular have been invaded by narrow, highly sheared amphibolite dykes and/or narrow quartz veins. Some sulphide mineralization accompanies these.
WORK DONE: Geological mapping, 1:1000; trenching, 5 trenches, 22 metres; and geochemical survey, 135 soil samples analysed for gold and 13 silt samples analysed for gold, silver, cobalt, molybdenum, and tungsten, on Linda, Shirley, and BB 12.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1950, p. 167; Assessment Report 8873; Mineral Inventory 92G/SE-8, 12.

HOPE (Fig. E-1, NTS 92, No. 90)

LOCATION: Lat. 49° 16′ Long. 122° 27′ (92G/8W)
NEW WESTMINSTER M.D. Approximately 18 kilometres southwest of Mount Martyn, lying 500 metres east of Blue Mountain.
CLAIMS: HOPE, HOPE 2 and 3, RUDOLPH, MUD MOUNTAIN.
OWNERS: E. Zimmerman, M. Vroom, T. Radonski.
OPERATOR: G. VON ROSEN, Box 48296, Bentall Three, Vancouver V7X 1A1.
DESCRIPTION: The claims lie on the contact between Eocene sedimentary rocks to the north, overlying Jurassic hornblende diorite. The Eocene sedimentary

rocks contain commercial quality clay. The intrusive rocks are reported to contain copper and gold.

WORK DONE: Ground electromagnetic survey, 1.2 kilometres, on Mud Mountain.

REFERENCE: Assessment Report 8681.

SKY (Fig. E-1, NTS 92, No. 91)

LOCATION: Lat. 49° 18′ Long. 122° 24′ (92G/8W)
NEW WESTMINSTER M.D. Approximately 5.2 kilometres east-southeast of the mouth of Cold River and Alouette Lake approximately 7.7 kilometres east-northeast of Maple Ridge.

CLAIMS: SKY 101 to 107.

OWNER: SKYROCKET EXPLORATION & RESOURCES INC., 116, 4777 – 55B Street, Delta V4K 3B6.

WORK DONE: Soil sampling, on Sky 101 and 102.

REFERENCE: Assessment Report 9450.

ROCCO (Fig. E-1, NTS 92, No. 88)

LOCATION: Lat. 49° 17′ Long. 122° 00′ (92G/8E, 92H/5W)
NEW WESTMINSTER M.D. Four kilometres northeast of Harrison Mills.

CLAIMS: ROCCO 1 and 2.

OWNER: ARTILLERY RESOURCES LTD., 2020, 1055 West Georgia Street, Vancouver V6E 3P3.

DESCRIPTION: The claims are underlain by faulted granodiorite of the Coast Complex and roof pendants of volcanic rocks of the Harrison Formation. These rocks contain some sulphide mineralization.

WORK DONE: 1979 – airborne magnetometer and airborne electromagnetic surveys, 88 kilometres, covering both claims; 1980 – geochemical survey, 158 samples analysed for copper and molybdenum, covering both claims.

REFERENCES: Assessment Reports 8116, 8468.

ROCCO 3 (Fig. E-1, NTS 92, No. 87)

LOCATION: Lat. 49° 17′ Long. 122° 01.5′ (92G/8E)
NEW WESTMINSTER M.D. Approximately 12.5 kilometres south of the southern tip of Chehalis Lake, 5 kilometres east of the junction of Norrish and West Norrish Creeks.

CLAIM: ROCCO 3 (12 units).

OWNER: GRENOBLE ENERGY LTD., 1015, 470 Granville Street, Vancouver.

DESCRIPTION: The claim is underlain in part by Harrison Lake volcanic rocks (Mid-Jurassic) intruded by granodiorite and/or quartz diorite of the Coast plutonic rocks (chiefly Cretaceous). The Harrison Lake Formation is comprised of volcanic flows and breccias of rhyolite, andesite, and feldspar porphyry.

WORK DONE: Ground electromagnetic and ground magnetometer surveys, 20 kilometres, on Rocco 3.

REFERENCES: Assessment Reports 8116, 8468.

LOGAN (Fig. E-1, NTS 92, No. 89)

LOCATION: Lat. 49° 17′ Long. 122° 03′ (92G/8E)
NEW WESTMINSTER M.D. Approximately 10 kilometres north of the townsite of Deroche, 3.5 kilometres east of the junction of Norrish and West Norrish Creeks.
CLAIM: LOGAN (12 units).
OWNER: C. Lowry.
OPERATOR: CHEVRON STANDARD LTD., 901, 355 Burrard Street, Vancouver.
METALS: Copper, zinc, silver, bismuth.
DESCRIPTION: The Logan claim overlies a portion of a small roof pendant of Mid-Jurassic volcanic rocks of the Harrison Lake Formation. The pendant is in Middle to Late Cretaceous intrusive rocks of the Coast Complex. A Kuroko-style environment has been identified but the potential ore zone is limited by erosion up-dip and along strike and by intrusive rocks down-dip.
WORK DONE: Geological mapping, 1:2500; and geochemical survey, 12 soil and 63 rock samples analysed for copper, zinc, and silver, on Logan.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 118; Assessment Reports 5244, 6366, 8966; and Mineral Inventory 92G/SE-18.

URSULA (Fig. E-1, NTS 92, No. 94)

LOCATION: Lat. 49° 38′ Long. 122° 56′ (92G/10W)
VANCOUVER M.D. Approximately 15 kilometres southeast of Squamish, 2 kilometres northeast of Clarion Lake near the headwaters of Mamquam River.
CLAIM: URSULA (6 units).
OWNER: ALPEN MANAGEMENT CORP., Box 978, Squamish.
METAL: (Copper).
DESCRIPTION: Rhyolite, dacite, andesite, and pyroclastic rocks are intruded by quartz diorite and granodiorite. The rocks are pyritic and contain minor chalcopyrite.
WORK DONE: Geological mapping, 1:5000, on Ursula.
REFERENCE: Assessment Report 8257.

NADINE (Fig. E-1, NTS 92, No. 96)

LOCATION: Lat. 49° 38.5′ Long. 122° 58′ (92G/10W)
VANCOUVER M.D. Approximately 40 kilometres north of New Westminster, 1 kilometre northwest of Clarion Lake; Raffuse Creek runs through the property.
CLAIMS: NADINE (4 units), MICHAEL (3 units).
OWNER: ALPEN EXPLORATION LTD., Box 978, Squamish.
DESCRIPTION: Gambier Group rocks are intruded by quartz diorite and diorite.
WORK DONE: Prospecting, on both claims.
REFERENCE: Assessment Report 9204.

DIDDI (Fig. E-1, NTS 92, No. 93)

LOCATION: Lat. 49° 39′ Long. 122° 58′ (92G/10W)
VANCOUVER M.D. Approximately 15 kilometres southeast of Squamish,

lying between Alpen Mountain to the north, Clarion Lake to the south, Raffuse Creek to the west, and Mamquam River to the east.

CLAIMS: DIDDI (12 units), KATHRYN (4 units), SARAH (2 units).

OWNER: ALPEN EXPLORATION LTD., Box 978, Squamish.

DESCRIPTION: The rock outcrops on the property consist of rhyolite, dacite, andesite, and pyroclastic rocks of the Gambier Group, quartz diorite, and granodiorite. The outcrops are pyritic and occasionally contain sparse chalcopyrite and galena.

WORK DONE: Geological mapping, 1:5000, covering all claims.

REFERENCE: Assessment Report 8290.

LORI (Fig. E-1, NTS 92, No. 92)

LOCATION: Lat. 49° 42.5′ Long. 122° 56′ (92G/10W)
VANCOUVER M.D. East of Squamish, 5 kilometres northeast of Alpen Mountain.

CLAIMS: CATH, ALCO 2, ALCO (20 units), ALCO 2 (9 units).

OWNER: ALMARK EXPLORATIONS LTD., 1440, 625 Howe Street, Vancouver.

METALS: (Copper, molybdenum).

DESCRIPTION: Drilling intersected the Coast plutonic quartz diorite containing minor chalcopyrite and molybdenite in fractures.

WORK DONE: Diamond drilling, 1 hole, 37.8 metres, on Alco.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 136; Assessment Reports 4916, 4917, 4918, 7386, 7739, 8749; Mineral Inventory 92G/NE-20.

ROY, CALEDONIA (Fig. E-1, NTS 92, No. 95)

LOCATION: Lat. 49° 36′ Long. 123° 00′ (92G/10W, 11E)
VANCOUVER M.D. Eleven kilometres south of Squamish, stretching east of Britannia Beach.

CLAIMS: 310 Crown-granted claims, 6 reverted Crown-granted claims, and 7 staked claims, including ROY 1 (Lot 2771), ROY 7 (Lot 2777), DON FR. (Lot 2778), CALEDONIAN 1 (Lot 2784), CALEDONIAN 2 (Lot 2787), CALEDONIAN 3 (Lot 2789).

OWNER: ANACONDA CANADA EXPLORATION LTD., 200, 1500 West Georgia Street, Vancouver.

METAL: Copper.

DESCRIPTION: Roof pendant of Upper Jurassic volcano-sedimentary sequences surrounded by granitoids of the Coast Plutonic Complex. Volcanogenic copper sulphide mineralization occurs associated with intermediate to acid volcanic members. Britannia-type massive sulphide orebodies may be present in the area. Intrusive phases peripheral to the pendant contain occurrences of copper-molybdenum porphyry-type mineralization.

WORK DONE: Geological mapping, 1:2000, 1:5000; road clearing, 4 kilometres; topographical survey, 1:5000; diamond drilling, 3 NQ holes, totalling 1 000 metres; and geochemical survey, 380 rock chip, 311 core, and 1 200 soil samples analysed for copper, molybdenum, zinc, and gold.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1917, p. 278; 1931, p. 175; Assessment Report 601; Mineral Inventory 92G/NE-1, 7, 17, 18.

BELLE (Fig. E-1, NTS 92, No. 87)

LOCATION: Lat. 49° 38' Long. 123° 01' (92G/11E)
VANCOUVER M.D. Fourteen kilometres southeast of Squamish straddling the Indian River.
CLAIM: BOB (9 units).
OWNER: MAGGIE MINES LTD., 41849 Government Road, Brackendale V0N 1H0.
METALS: Gold, silver, copper, zinc.
DESCRIPTION: Gambier Formation (Jurassic) volcanic and sedimentary rocks are intruded by granitic rocks (Cretaceous).
WORK DONE: Trenching, 50 metres; and geochemical survey, 1 rock and 36 soil samples analysed for copper, lead, zinc, and silver, on Bob.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 135 (War Eagle); Assessment Reports 2423, 6866, 8207; Mineral inventory 92G/NW-14.

HOWE COPPER (Fig. E-1, NTS 92, No. 98)

LOCATION: Lat. 49° 42.5' Long. 123° 27' (92G/11W)
VANCOUVER M.D. Approximately 19 kilometres north of where Stotterford Creek meets Thornbrough Channel, overlying Slippery Lake and Smithe Lake.
CLAIMS: ANTHONY 1 to 8 (1 unit each).
OWNER: SEATAC RESOURCES INC., 621, 602 West Hastings Street, Vancouver V6B 1P2.
METALS: Copper, molybdenum, silver.
DESCRIPTION: The property lies within Coast Range batholithic complex and is underlain by quartz-biotite granite. Mineralization consisting of quartz, bornite, chalcocite, tetrahedrite, and cuprite is found associated with quartz-muscovite granite which may be a sericitized phase of quartz-biotite granite.
WORK DONE: Geological mapping, 1:4800; linecutting, 10 kilometres; underground development; ground magnetometer and ground electromagnetic surveys, 4 kilometres, covering all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 106; Assessment Reports 752, 4003, 8822; Mineral Inventory 92G/NW-5.

SN (Fig. E-1, NTS 92, No. 100)

LOCATION: Lat. 49° 37.5' Long. 123° 51' (92G/12W)
VANCOUVER M.D. Twenty kilometres north of Sechelt on the west side of Sechelt Inlet.
CLAIMS: SN 1 to 4, A&M 1 to 6.
OWNER: PRYME ENERGY RESOURCES, 1318, 510 West Hastings St., Vancouver.
DESCRIPTION: The claims are underlain by Coast batholith diorites intruded by andesite dykes. Pyrite occurs as pockets in fracture planes, in massive pods within quartz veins, and as disseminations in the host rock. Disseminations of molybdenite are associated with both quartz and pyrite.
WORK DONE: Induced polarization survey, 5.3 kilometres, on SN 1-4.
REFERENCE: Assessment Report 8750.

WAR (Fig. E-1, NTS 92, No. 101)

LOCATION: Lat. 49° 40′ Long. 123° 54′ (92G/12W)
VANCOUVER M.D. Seventy-two kilometres northwest of Vancouver on the eastern side of the Sechelt Penninsula, covering Lyon Lake.
CLAIMS: WAR A (10 units), WAR B (4 units).
OWNER: AQUARIUS RESOURCES LTD., Box 26, RR 1, Black Point Road, Powell River.
METAL: Copper.
DESCRIPTION: The zone of interest is the contact between quartz monzonite intrusive rocks of the Coast Range batholith and mafic volcanic flow and pyroclastic rocks, argillite, limestone, and quartzite contained in a roof pendant. Fracturing, silicification, and pyrite, minor chalcopyrite, and molybdenite mineralization are widespread.
WORK DONE: 1979 – diamond drilling, 1 AQ hole, totalling 66.2 metres, on War A.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 119; Assessment Reports 3532, 3909, 4675, 6271, 7998; Mineral Inventory 92G/NW-32.

CAMBRIAN CHIEFTAIN (Fig. E-1, NTS 92, No. 103)

LOCATION: Lat. 49° 40.7′ Long. 123° 56.5′ (92G/12W)
VANCOUVER M.D. Approximately 7.3 kilometres west of the junction of Narrows Inlet and Sechelt Inlet, lying 7 kilometres south of Waugh Lake.
CLAIM: SILVER LEE (4 units).
OWNER: SIERRA NEVADA GOLD LTD., Box 355, Delta.
METALS: Copper, zinc, gold, silver.
DESCRIPTION: The property lies in a roof pendant of volcanic rocks and sedimentary rocks trending north and dipping vertically, included in granitic rocks of the Coast Plutonic Complex.
WORK DONE: Magnetometer survey and sampling.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1961, p. 89; Assessment Report 8914; Mineral Inventory 92G/NW-11.

HAM (Fig. E-1, NTS 92, No. 102)

LOCATION: Lat. 49° 41′ Long. 123° 56′ (92G/12W)
VANCOUVER M.D. Approximately 6.5 kilometres west from where Narrows Inlet joins Sechelt Inlet, lying 1 kilometre south of Mount Hallowell.
CLAIMS: HAM 1 to 6.
OWNER: Highmark Resources Ltd.
OPERATOR: J. MARKEVITCH, 13389 Crestview Drive, Surrey V3R 6T1.
DESCRIPTION: The property is underlain by metasedimentary rocks of the Cretaceous or earlier Jarvis Group, limestone, dolomitic limestone, cherty sedimentary rocks, with basalt and metadiorite, all cut by andesitic and porphyritic dykes. Locally the rocks are epidotized, silicified, and garnetized. Pyrite, chalcopyrite, and sphalerite occur.
WORK DONE: Geological mapping, 1:6000; ground electromagnetic and ground magnetometer surveys; and geochemical survey, 241 soil samples analysed for copper and zinc, covering all claims.
REFERENCE: Assessment Report 8790.

SHEENA **(Fig. E-1, NTS 92, No. 108)**

LOCATION:	Lat. 49° 47' Long. 123° 24' (92G/14W) VANCOUVER M.D. Six kilometres west of the Squamish River, 4 kilometres north of Sigurd Lake at the junction of Ashlu Creek and Stuyvesant Creek.
CLAIM:	SHEENA (1 unit).
OWNER:	Bill Auld.
OPERATORS:	J. N. McLEOD, Box 150, Brackendale and S. GOSS, Box 100, Garibaldi Highlands.
DESCRIPTION:	The property consists of a quartz vein in a fissure filling approximately 181 metres in length, minimum 1 metre in width (3 feet). The quartz vein is overlain by a hornblende dyke approximately 3 metres in width with inclusions of granodiorite. The vein is underlain by granodiorite and quartz-monzonite with irregular quartz stringers running at right angles on contact with the vein.
WORK DONE:	Pit, 1 metre by 1 metre by 3.5 metres; and excavation and rehabilitation of old tunnel, 1.25 by 1.5 by 9.69 metres, on Sheena.

ABLE **(Fig. E-1, NTS 92, No. 106)**

LOCATION:	Lat. 49° 56' Long. 123° 24' (92G/14W) VANCOUVER M.D. Eight kilometres west-northwest of the junction of Ashlu Creek and the Squamish River and 2 kilometres south of Ashlu Creek, covering Pokosha Creek.
CLAIM:	ABLE (8 units).
OWNER:	J. Peever.
OPERATOR:	SLIMS MINING & EXPLORATION LTD., 2055 Como Lake Avenue, Coquitlam.
METALS:	(Gold, silver).
DESCRIPTION:	The claim is underlain by quartz monzonite, quartz diorite, and granodiorite cut by dykes and stringer veins that contain gold and silver values.
WORK DONE:	Diamond drilling, 1 hole, totalling 99.06 metres, on Able.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 137, E 138; Assessment Reports 6774, 8067; Mineral Inventory 92G/NW-44.

ASHLOO **(Fig. E-1, NTS 92, No. 107)**

LOCATION:	Lat. 49° 57' Long. 123° 24' (92G/14W) VANCOUVER M.D. Approximately 9.5 kilometres west-northwest of the junction of Ashlu Creek and the Squamish River at the junction of Roaring Creek and Ashlu Creek.
CLAIMS:	ASH, ASH 2 and 3, ASH 6 to 8, TOAD, CLARA (totalling 33 units).
OWNER:	Osprey Mining & Exploration Ltd.
OPERATOR:	W. BABKIRK, 2055 Como Lake Avenue, Coquitlam.
METALS:	(Gold, silver, tungsten).
DESCRIPTION:	Drilling intersected quartz-monzonite containing diorite stringers and pyrite.
WORK DONE:	Road building, 122 metres; underground development, adit, 60 metres; and diamond drilling 1 XRT hole, totalling 68.58 metres, on Ash.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 120; 1979, p. 139; Assessment Reports 5592, 6043, 6155, 7403, 8084; Mineral Inventory 92G/NW-13.

ICE (Fig. E-1, NTS 92, No. 108)

LOCATION: Lat. 49° 58.5' Long. 123° 26.5' (92G/14W)
VANCOUVER M.D. Approximately 21 kilometres west of the townsite of Garibaldi, overlying the junction of Pykett and Ashlu Creeks.

CLAIMS: ICE (20 units), ICE 1 (6 units), ICE 2 (4 units), YALAKUM (4 units).

OWNER: MAR–GOLD RESOURCES LTD., 201, 845 Hornby Street, Vancouver.

METALS: (Gold, silver).

DESCRIPTION: The claims are underlain by plutonic rocks of Cretaceous age composed of variably textured granodiorites. A massive pyrite-chalcopyrite vein, 17 centimetres wide, is exposed.

WORK DONE: Geological mapping, 1:50, 1:100, 1:200, 1:1000; ground magnetometer survey, 2.2 kilometres; and diamond drilling, 3 BQ holes, totalling 315 metres, on Ice and Yalakum.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 139; Assessment Reports 4, 7844, 8967.

DAISY (VENETIAN) (Fig. E-1, NTS 92, No. 104)

LOCATION: Lat. 50° 00.5' Long. 123° 05.5' (92J/3E; 92G/14E)
Report on this property in Metals section 92J/3E.

SLO (Fig. E-1, NTS 92, No. 110)

LOCATION: Lat. 49° 46' Long. 122° 21' (92G/16W, 9W)
NEW WESTMINSTER M.D. Approximately 95 kilometres northeast of Vancouver and 15 kilometres west of the head of Harrison Lake, with North Sloquet Creek flowing easterly through the property.

CLAIMS: SLO 1 and 2 (20 units each).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

DESCRIPTION: The claims are underlain by Jurassic-Cretaceous Fire Lake Group of volcanic and sedimentary strata. The Fire Lake Group is a roof pendant surrounded by granitic plutons and high-grade metamorphic rocks of the Coast Crystalline Complex.

WORK DONE: Geochemical survey, 574 soil samples analysed for copper, lead, and zinc and 86 also analysed for gold.

REFERENCE: Assessment Report 8423.

SM (Fig. E-1, NTS 92, No. 109)

LOCATION: Lat. 49° 48.5' Long. 122° 22' (92G/16W)
NEW WESTMINSTER M.D. Approximately 75 kilometres north of Mission City, bordering on the eastern boundary of Garibaldi Park, straddling Stanford Creek.

CLAIM: SM (6 units).

OWNER: C. LARSEN, RR 3, Chilliwack.

METAL: (Molybdenum).

DESCRIPTION: Molybdenite occurs in a fault zone cutting quartzite, greywacke, and diorite.

WORK DONE: 1979 – geological mapping, 1:4000.
REFERENCE: Assessment Report 8248.

HOPE 92H

CARLY (Fig. E-1, NTS 92, No. 111)

LOCATION: Lat. 49° 12′ Long. 120° 14′ (92H/1E)
OSOYOOS M.D. Thirty-two kilometres southeast of Princeton, toward the Ashnola River on the headwaters of Etches Creek.
CLAIM: CARLY (20 units).
OWNER: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3.
DESCRIPTION: The property is underlain by granitic intrusions and the Nicola Group.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 11 silt and 207 soil samples analysed for molybdenum and copper.

CASCADE (Fig. E-1, NTS 92, No. 113)

LOCATION: Lat. 49° 14′ Long. 120° 18′ (92H/1W)
SIMILKAMEEN M.D. Approximately 29 kilometres southeast of Princeton; the tail of Smith Creek touches the northern part of the claim group.
CLAIMS: CASCADE 1 (20 units), CASCADE 2 (12 units), CASCADE 3 (18 units), CASCADE 4 (20 units), CASCADE 5 (15 units), CASCADE 6 (9 units), CASCADE 7 (16 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
DESCRIPTION: Upper Triassic Nicola pyritized basalt rocks occur in the eastern and southern parts of the property. These are cut by Otter porphyritic quartz monzonite. Tertiary quartz porphyry plugs and dykes cut both Nicola and Otter; they are principally in a poorly defined small plug (2 000 by 2 500 metres) in the eastern part of the property and show quartz veining.
WORK DONE: Geological mapping, 1:10 000; ground magnetometer survey, 64 kilometres; and geochemical survey, 1 250 soil samples analysed for copper, molybdenum, zinc, and manganese and 60 silt samples analysed for molybdenum, zinc, and manganese, on Cascade 2, 4, 6, and 7.
REFERENCE: Assessment Report 9104.

RED STAR (Fig. E-1, NTS 92, No. 114)

LOCATION: Lat. 49° 09′ Long. 120° 35′ (92H/2E)
SIMILKAMEEN M.D. Thirty-four kilometres south-southwest of Princeton, on the north side of the Hope–Princeton highway in the area just southwest of the junction of the Pasayten and Similkameen Rivers.
CLAIMS: RED STAR (18 units) and ANACONDA (Lot 400) and RED STAR (Lot 399).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: (Copper, zinc).
DESCRIPTION: Nicola Group (Triassic) calc-alkaline andesite-rhyolite metavolcanic rocks are intruded by andesite dykes. The northern part of the property is covered by

flat-lying Princeton Group (Tertiary) basalt-andesite flow and pyroclastic rocks. Minor sphalerite and chalcopyrite with gold and silver values occur in the main zone of leached, pyritized, and silicified Nicola rocks on Anaconda and Red Star.

WORK DONE: Geological mapping, 1:5000; linecutting, 39.5 kilometres; ground electromagnetic survey, 17 kilometres; ground magnetometer survey, 10 kilometres; induced polarization survey, 16.5 kilometres; and geochemical survey, 725 soil samples analysed for copper, zinc, and lead, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 386; Assessment Reports 878, 2807, 8170; Mineral Inventory 92H/SE-67.

GOLD COIN, NORTHSTAR, SKAGIT GIANT (Fig. E-1, NTS 92, No. 116)

LOCATION: Lat. 49° 07' Long. 121° 06' (92H/3E)
NEW WESTMINSTER M.D. Three kilometres east of Skagit River Park on Shawatum Creek.

CLAIMS: DENAR 20, DENAR 40 (20 units each).

OWNER: DENAR MINES LTD., 33825 South Fraser Way, Abbotsford V2S 2C4.

METALS: Gold, silver, copper, zinc, lead.

DESCRIPTION: The property is underlain by rocks of the Paleozoic Hozameen Formation, chiefly basalts and cherts. Basalts are silicified and sericitized over most of the property. Vein minerals are pyrite, magnetite, quartz, and pyrrhotite. Major faults striking north-northeast and west-northwest are recognized. Small diorite to granodiorite rocks intrude the basalts.

WORK DONE: Geological mapping; road building, 5 kilometres; and diamond drilling, 9 holes, totalling 690 metres, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 140; 1979, p. 141; Assessment Reports 5474, 8839; Mineral Inventory 92H/SW-14, 75, 76, 77.

AM, INVERMAY (CANAM) (Fig. E-1, NTS 92, No. 115)

LOCATION: Lat. 49° 10' Long. 121° 01' (92H/3E)
NEW WESTMINSTER M.D. Thirty-seven kilometres southeast of Hope between the Hope–Princeton highway and Manning Park.

CLAIMS: MAY 1 to 11, INVERMAY NO. 1 to INVERMAY NO. 3, CAMBORNE NO. 1, CAMBORNE NO. 2, MISTY, MISTY NO. 1 to MISTY NO. 3, RIDGE NO. 1 FR. to RIDGE NO. 3 FR., BARD NO. 3 and 4, RED NO. 1 to RED NO. 4, JET NO. 1 FR., JET NO. 2 FR., SABRE NO. 1, GE NO. 9 to GE NO. 12, GE NO. 3 FR., GM NO. 27 to 32, GC NO. 35 to 68, LOIS FR., LOIS 7 FR., LOIS NO. 1 to 6, LOIS NO. 8 to 14, REX NO. 11 to 22, LESLIE, LESLIE NO. 1 to LESLIE NO. 3, HANK NO. 5 and 7, VERNON NO. 1 to 8, BROWN NO. 1 to 4, MAY NO. 16, REX NO. 22 FR., RAN FR., RAN, PEG NO. 1 and 2, GE NO. 1 to 8, AXE NO. 2, AXE NO. 10 FR., 26 MILE FRACTIONAL, LORNA FR., HANK NO. 1 FR., HANK NO. 2, HANK NO. 4, HANK NO. 6, HANK NO. 8, MAY FR., IP NO. 1 FR., IP NO. 2 FR., IP NO. 5 FR. to IP NO. 9 FR., JOHN NO. 1 to 4, SLIDE FR., IP 4 FR., AM (Lot 1586), AM NO. 1 (Lot 1579), AM NO. 2 (Lot 1587), AM NO. 3 (Lot 1577), AM NO. 4 (Lot 1584), AM NO. 5 (Lot 1581), REX NO. 1 FR. (Lot 1586), AUGUSTUS NO. 5 FR. (Lot 1585).

OWNER: G M RESOURCES LTD., 900, 837 West Hastings Street, Vancouver V6C 1B6.

METALS: Copper, gold, silver, molybdenum.

DESCRIPTION: The claims are underlain by interbedded sedimentary rocks of the Dewdney Creek and Ladner Groups. These are separated from earlier Paleozoic sedimentary rocks by the Hozameen Fault. The sedimentary rocks are intruded by the Invermay granodiorite stock.

WORK DONE: Diamond drilling, 2 BQ holes, totalling 124 metres, on AM 5; road building, 457 metres, on AM 5 and Jet 1 Fr.; underground development, approximately 38.6 metres, on AM No. 1 and Camborne No. 1; linecutting and surveying, approximately 9 800 metres, on all AM, GC, and Bard claims; road building, 152 metres; and diamond drilling, 5 BQ holes, totalling 1 030 metres, on Vernon 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 141; Assessment Reports 4074, 4075, 7823, 8691; Mineral Inventory 92H/SW-1, 2, 27.

JON (Fig. E-1. NTS 92, No. 118)

LOCATION: Lat. 49° 02' Long. 121° 25' (92H/3W)
NEW WESTMINSTER M.D. On the west side of Chilliwack Lake, 2 kilometres from the south end.

CLAIM: JON (12 units).

OWNER: MIDNAPORE OIL CO. LTD., 4042 West 11th Avenue, Vancouver V6K 2L3.

METALS: (Copper, molybdenum).

DESCRIPTION: The claim area is underlain by the multiphase Chilliwack batholith. Minor molybdenite and chalcopyrite are disseminated in aplite dykes and fractures cutting coarse-grained granodiorite.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 129 soil and 23 silt samples analysed for copper and molybdenum, on Jon.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1968, p. 82; 1969, p. 196; Assessment Reports 1804, 8052; Mineral Inventory 92H/SW-68.

GREENDROP LAKE, TA (Fig. E-1, NTS 92, No. 117)

LOCATION: Lat. 49° 08' Long. 121° 26' (92H/3W)
NEW WESTMINSTER M.D. Approximately 27 kilometres south of Hope and 3 kilometres north of northern tip of Chilliwack Lake, covering Greendrop Lake.

CLAIMS: COPPER (4 units), GOLD (2 units), MOLY (6 units), GREEN 1 to 4 (20 units each).

OWNER: CANADIAN SUPERIOR EXPLORATION LTD., 1800, 701 West Georgia Street, Vancouver.

METALS: (Copper, molybdenum).

DESCRIPTION: The claim area is within the Late Oligocene Chilliwack batholith except at the northeast corner where there is the Custer gneiss metamorphic complex. The Chilliwack rocks have been intruded by a quartz porphyry and a breccia complex. These are cut by later dykes and sills.

WORK DONE: Geological mapping, 1:2500; and topographical survey, 1:2500 and 1:5000, covering all claims; diamond drilling, 2 NQ–BQ holes, totalling 921.1 metres, on Green 4, Gold, and Moly.

REFERENCES: *Geol. Surv., Canada*, Map 737A, Sum. Rept., 1923, Pt. A, p. 71; Assessment Reports 7968, 8376; Mineral Inventory 92H/SW-73, 98, 101.

CRID (Fig. E-1, NTS 92, No. 120)

LOCATION: Lat. 49° 03′ Long. 121° 41′ (92H/4E)
NEW WESTMINSTER M.D. Approximately 3 kilometres south of the junction of Chilliwack River and Slesse Creek and covering the upper Moon Creek area.

CLAIMS: CRID 1, 3, 5, 8, 9, and 11 (6 units).

OWNERS: R. A. CARPENTER, 12 North Corbould Street, Chilliwack and I. C. DOW, 48435 Ryder Lake Road West, RR 2, Sardis.

METALS: (Copper, iron).

DESCRIPTION: The claims are underlain by coarse to fine-grained volcanic arenite, argillite, limestone, minor conglomerate, altered mafic volcanic flow rocks of the Chilliwack Group, and granite of the Chilliwack pluton. The rocks are folded, faulted, and silicified. Pockets of pyrite, pyrrhotite, chalcopyrite, and magnetite occur in argillite, shale, limestone, dolomitic limestone, and a unit of chloritic volcanic rocks.

WORK DONE: Prospecting, covering all claims.

MARY JANE, ANNIE LOU (Fig. E-1, NTS 92, No. 119)

LOCATION: Lat. 49° 15′ Long. 121° 40′ (92H/4E, 5E)
NEW WESTMINSTER M.D. The property lies 23 kilometres southwest of Hope and approximately 1 kilometre east of Herrling Island.

CLAIMS: CHEAM CREAM (9 units), CHEAM CREAM ANNEX (2 units).

OWNER: BORCAN RESOURCES LTD., 555 Howe Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The claims are underlain by Tertiary granodiorite and quartz diorite. Molybdenite occurs in quartz-filled fractures.

WORK DONE: Geochemical survey, 274 soil samples analysed for molybdenum, on both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1918, p. 286; Assessment Report 8428; Mineral Inventory 92H/SW-37.

ASCOT (Fig. E-1, NTS 92, No. 121)

LOCATION: Lat. 49° 15′ Long. 121° 53′ (92H/4W)
NEW WESTMINSTER M.D. In the Kent District Municipality, 5 kilometres east of Harrison Bay on the north side of the Fraser River.

CLAIM: TREBLIF (8 units).

OWNER: INVERMAY RESOURCES LTD., Sixth Floor, 73 Water Street, Vancouver V6B 1A1.

METALS: Lead, zinc, copper.

DESCRIPTION: The property is underlain by Harrison Lake Group andesites, andesite porphyry, andesite breccia, and basalt, locally silicified and mineralized principally by pyrite and copper, lead, and zinc sulphides.

WORK DONE: Geochemical survey, 60 soil samples analysed for copper, molybdenum, silver, and zinc, on Treblif.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 62; Assessment Report, 9840; Mineral Inventory 92H/SW-72.

TREVOR (Fig. E-1, NTS 92, No. 124)

LOCATION: Lat. 49° 16.5′ Long. 121° 57.5′ (92H/5W)
NEW WESTMINSTER M.D. Eleven kilometres west of Harrison Hot Springs, located between Elbow Lake and Harrison River.
CLAIM: TREVOR (10 units).
OWNER: M. G. LARSEN, 48240 Kitchen-Hall Road, RR 3, Chilliwack.
DESCRIPTION: The claim is underlain by granitic rocks.
WORK DONE: Geological mapping, 1:25 000.
REFERENCE: Assessment Report 9056.

KURO (Fig. E-1, NTS 92, No. 123)

LOCATION: Lat. 49° 21.5′ Long. 121° 51′ (92H/5W)
NEW WESTMINSTER M.D. Approximately 9 kilometres west-northwest from Harrison Hot Springs and about 1 kilometre west-southwest from Camp Cove on Harrison Lake.
CLAIMS: KURO 1 to 4 (1 unit each).
OWNER: R. TRIFAUX, 308, 751 Clarke Road, Coquitlam V3J 3Y3.
DESCRIPTION: The volcanic rocks predominate in the area. A big band of agglomerate (60 metres wide) strikes north and west. A dyke (granodiorite) contains numerous sulphides. Andesitic flow rocks 25 metres north of the agglomerate contain sulphides (copper, silver, and zinc have been recognized). Widespread pyrites in place abundant and in veins. Breccia with quartz vein fillings are on Kuro 3 and 4.
WORK DONE: 1979 and 1980 – reconnaissance prospecting; geological sketch maps; and rock and soil sampling, on all claims.
REFERENCE: Assessment Report 8573.

I AM, LUV, STONEY (Fig. E-1, NTS 92, No. 122)

LOCATION: Lat. 49° 22′ Long. 121° 52′ (92H/5W)
NEW WESTMINSTER M.D. Fifteen kilometres north-northeast of Harrison Mills. I Am 50 covers north part of Weaver Lake and several creeks drain through property including Sakwi Creek.
CLAIMS: I AM 1 to 4, 9 to 24, 51 to 56, I AM 50 (20 units), MARY J 1 to 4, DOT 1 to 3, SIR 4, SIR 5 FR., SIR 6 FR.
OWNERS: I. MILLER and D. MILLER, 14310 Marine Drive, White Rock.
METALS: Zinc, copper.
DESCRIPTION: The claims are underlain by the Jurassic Harrison Lake volcanic complex, rhyolitic to rhyodacitic pyroclastics overlain by well-bedded, fine-grained sedimentary rocks. Both are cut by rhyodacitic intrusive rocks. Most of the rocks are pyrite-rich; chalcopyrite is occasional.
WORK DONE: Geological mapping, 1:1000, on I Am 51 and 53.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 141, E 142; 1979, pp. 142, 143; Assessment Reports 3440, 5597, 6164, 6683, 6904, 7015, 7053, 7746, 8385; Mineral Inventory 92H/SW-69, 83.

ROCCO (Fig. E-1, NTS 92, No. 88)

LOCATION: Lat. 49° 17′ Long. 122° 00′ (92G/8E, 92H/5W)
Report on this property in section 92G/8E.

BEA, MURPHY (Fig. E-1, NTS 92, No. 130)

LOCATION: Lat. 49° 24′ Long. 121° 26′ (92H/6W)
NEW WESTMINSTER M.D. Approximately 3 kilometres north of Hope, with Schkam Lake in the western part of the property.
CLAIM: MARGIE (12 units).
OWNER: E. AMENDOLAGINE, 4550 Harriet Street, Vancouver V5V 4K5.
METALS: Copper, nickel, gold, tungsten, silver, lead.
WORK DONE: Linecutting, 30 kilometres; and percussion drilling, 29 holes, totalling 46.4 metres.
REFERENCES: Assessment Report 8827; Mineral Inventory 92H/SW-5, 6.

EMANCIPATION (Fig. E-1, NTS 92, No. 131)

LOCATION: Lat. 49° 29′ Long. 121° 15′ (92H/6W, 11W)
NEW WESTMINSTER M.D. Eighteen kilometres northeast of Hope at the junction of Fifteen Mile Creek and the Coquihalla River.
CLAIMS: HOPE 1 to 32 (1 unit each), SPRING 1 to 3 (totalling 15 units), RAYMOND (Lot 1299), SUNSHINE (Lot 1300).
OWNER: AQUARIUS RESOURCES LTD., 1022, 475 Howe Street, Vancouver.
METALS: Gold, silver.
DESCRIPTION: The property is underlain chiefly by slates and argillites in fault contact with the Coquihalla serpentine belt on the west. Volcanic flow rocks, pillow lavas, and greenstone are mapped in discrete bodies along the east side of the fault zone (Hozameen fault). Mineralization is vein type and replacement type, pyrite, pyrrhotite, arsenopyrite, and chalcopyrite. Carbonatization and albitization are associated with replacements.
WORK DONE: Geological mapping, 1:20; 1:1200; 1:6000; and diamond drilling, 1 BQ hole, totalling 46 metres, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 80; Assessment Reports 4930, 5440, 5870, 6236, 9035; Mineral Inventory 92H/SW-34.

ST. PATRICK (Fig. E-1, NTS 92, No. 128)

LOCATION: Lat. 49° 24′ Long. 121° 10′ (92H/6E)
NEW WESTMINSTER M.D. Approximately 9 kilometres north up Sowaqua Creek from the junction of the Sowaqua Creek and Ghostpass Creek, 5 kilometres west of Tulameen Mountain.
CLAIM: A&W (12 units).
OWNER: ALTAR GOLD & RESOURCES LTD., 103, 316 Cedar Street, New Westminster V3L 3P1.
METALS: Gold, platinum.

DESCRIPTION: The underlying rocks are pelitic and volcanic sandstone, porphyritic dykes, granodiorite, and serpentinized granitoid rocks ranging in age from Carboniferous to Lower Cretaceous.

WORK DONE: Geological mapping, 1:8000; linecutting, 15.6 kilometres; ground magnetometer survey, 15.6 kilometres; and geochemical survey, 651 soil samples analysed for gold, covering A&W.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 68; Assessment Report 9581; Mineral Inventory 92H/SW-44.

EUREKA, SILVER CUP (Fig. E-1, NTS 92, No. 127)

LOCATION: Lat. 49° 26′ Long. 121° 03′ (92H/6E)
SIMILKAMEEN M.D. Approximately 20.8 kilometres north-northeast of Tashme; Amberty, Vuich, and Sutter Creeks flow through the property.

CLAIMS: WHY NOT FR., WHY NOT 3, EUREKA FR., TAMARACK, TAMARACK 2, LAKEVIEW, WHY NOT 2 FR. (Lots 1209, 1211 to 1216), plus BILL 1 to 6, STAR 1 to 4, SUMMIT Fraction, HEIDI 1 to 3, VALE (8 units), HILL (10 units), JOHN (8 units).

OWNER: HULDRA SILVER INC., 3475 West 34th Avenue, Vancouver V6N 2K5.

METALS: Silver, lead, zinc.

DESCRIPTION: Lodes in the Treasure Mountain fault and subsidiary faults consist of stringers or veins, with vein material in pockets or disseminations in the surrounding rock.

WORK DONE: Ground electromagnetic and ground magnetometer surveys, 7.3 kilometres each, on John and Heidi 1; underground rehabilitation, on Bill 1 and 3.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1952, pp. 119-129; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 143; Assessment Reports 7463, 9152; Mineral Inventory 92H/SW-16, 18.

JESSI (Fig. E-1, NTS 92, No. 126)

LOCATION: Lat. 49° 27′ Long. 121° 13′ (92H/6E)
NEW WESTMINSTER M.D. Fifteen kilometres east-northeast of Hope, straddling the lower part of Sowaqua Creek.

CLAIMS: JESSI A, JESSI B, JESSI C, JESSI D, JESSI E, JESSI F, JESSI G, JESSI H (totalling 108 units).

OWNER: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta.

DESCRIPTION: The property is crossed by a northwest-trending Hozameen regional fault. The rocks on the west side of the fault are Hozameen ribbon cherts (Paleozoic); the rocks on the east side are Jurassic Ladner slates. Immediately west of the fault is a belt of basic to ultrabasic serpentinized hypabyssal rocks.

WORK DONE: Geochemical survey, 795 soil and 4 rock samples analysed for gold, on Jessi A-H.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 143; Assessment Reports 7595, 8533.

RAINY (Fig. E-1, NTS 92, No. 125)

LOCATION: Lat. 49° 28′ Long. 121° 06′ (92H/6E)
NEW WESTMINSTER M.D. Approximately 27 kilometres northeast of Hope, at the headwaters of Cedarflat Creek (a tributary of Dewdney Creek).

CLAIM: CF (12 units).

OWNER: C. Larsen.

OPERATOR: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.

METALS: (Zinc, copper).

DESCRIPTION: Conglomerate and coarse grit of the Pasayten Group (Lower Cretaceous) are intruded by diorite. A number of old trends on the property carry sphalerite, pyrite, pyrrhotite, minor chalcopyrite, and magnetite in quartz and parallel to foliation in rusty black phyllites interbedded with conglomerate.

WORK DONE: Geological mapping, 1:5000; linecutting, 17.9 kilometres; ground electromagnetic survey and ground magnetometer survey, 10 kilometres each; diamond drilling, 2 EQ holes, totalling 112.28 metres; and geochemical survey, 289 soil samples analysed for copper, zinc, lead, and molybdenum, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 276; Assessment Reports 1560, 8253, 8884; Mineral Inventory 92H/SW-66.

EVE, TAX (Fig. E-1, NTS 92, No. 129)

LOCATION: Lat. 49° 29′ Long. 121° 16′ (92H/6E)
NEW WESTMINSTER M.D. Fifteen kilometres east of Hope at the junction of Coquihalla River and Fifteen Mile Creek, and another property is situated 4 kilometres south-southeast of the junction.

CLAIMS: TAX 51 to 56, N 22 to N 27, N 28 FR., N 29 FR., G 1 and G 2, GWH 2, EVE 1 and EVE 2, TOY 3 to 9.

OWNER: BORDER RESOURCES LTD., 1400, 1030 West Georgia Street, Vancouver V6E 3C2.

METAL: (Nickel).

DESCRIPTION: The claims are staked over a large belt of serpentine rock. The serpentine contains nickel and other valuable minerals in the form of microscopic needles.

WORK DONE: Metallurgical testing; and sampling, 6 samples taken, on Tax 52, N 26, G 2, and Toy 9.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 116; Exploration in B.C., 1975, p. E 67; Assessment Reports 5486, 9506.

WHIP, SAW, PICK (Fig. E-1, NTS 92, No. 132)

LOCATION: Lat. 49° 17′ Long. 120° 45′ (92H/7)
SIMILKAMEEN M.D. Approximately 25 kilometres southwest of Princeton at the headwaters of Friday Creek and the headwaters of the northern fork of Whipsaw Creek.

CLAIMS: WHIP 1 (20 units), WHIP 2 and 3 (12 units each), WHIP 4 (6 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: (Copper, molybdenum).

DESCRIPTION: The claims cover the contact between Nicola sedimentary and volcanic rocks (Upper Triassic) and the Eagle granodiorite intrusive rocks. Pyrite, minor chalcopyrite, and molybdenite are associated with feldspar porphyry rocks that intrude the contact zone.

WORK DONE: Geochemical survey, 363 soil samples analysed for copper, lead, zinc, molybdenum and 8 silt samples analysed for copper, lead, zinc, molybdenum, and tungsten, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 119; Assessment Reports 314, 362, 409, 561, 3707, 8244; Mineral Inventory 92H/SE-102.

WHIP, FAITH (Fig. E-1, NTS 92, No. 133)

LOCATION: Lat. 49° 17′ 30″ Long. 120° 48′ (92H/7W)
SIMILKAMEEN M.D. Twenty-eight kilometres southwest of Princeton covering Fortyone Mile Creek at the head of Whipsaw Creek on the east slope of Skaist Mountain.

CLAIMS: WHIP 1, FAITH (20 units each).

OWNER: LACANA MINING CORP., 312, 409 Granville Street, Vancouver.

METALS: (Lead, zinc, copper, silver, gold).

DESCRIPTION: The Whip claim is underlain by gneissic biotite quartz diorite including narrow discontinuous pegmatitic or aplitic lenses. Galena, sphalerite, and pyrite with quartz are exposed under an overhanging bank.

WORK DONE: 1979 – geochemical survey, 111 soil and 13 silt samples analysed for copper, lead, zinc, and silver, on Whip 1; 1980 – geochemical survey, 285 soil samples analysed for lead, zinc, copper, silver, and gold, on Whip 1.

REFERENCES: Assessment Reports 8005, 9129.

GRANITE SCHEELITE (Fig. E-1, NTS 92, No. 134)

LOCATION: Lat. 49° 20′ Long. 120° 52′ (92H/7W)
SIMILKAMEEN M.D. Approximately 27 kilometres west-southwest of Princeton, lying to the east of Tulameen River on the western slope of Granite Mountain and covering the headwaters of Coates and Buchanan (Kennedy) Creeks.

CLAIMS: GRANITE SCHEELITE 1 to 4, GRANSIL (20 units), GRANSIL II (20 units).

OWNER: Erel Explorations 1973 Ltd.

OPERATOR: NORTHERN LIGHTS RESOURCES LTD., 6017 Larch Street, Vancouver.

METALS: Gold, silver, copper, zinc, tungsten.

DESCRIPTION: The claims are underlain by gneissic rocks which apparently are a sequence of metavolcanic rocks and a carbonate assemblage, all at an amphibolite-facies metamorphism. A quartz vein system with some pyrite is exposed in old surface workings and the adit.

WORK DONE: Diamond drilling, 5 BQ holes, totalling 306.8 metres; and geochemical survey, 18 rock samples analysed for gold and silver, on Granite Scheelite 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 282; Assessment Report 8503; Mineral Inventory 92H/SE-101.

ASH (Fig. E-1, NTS 92, No. 135)

LOCATION: Lat. 49° 23′ Long. 120° 55′ (92H/7W)
SIMILKAMEEN M.D. Thirty-two kilometres west of Princeton just north and west of Wells Lake.

CLAIMS: ASH 1 and 2 (totalling 30 units), ASH 9 to 12.

OWNERS: Canadian Natural Resources Ltd. and Georgia Resources Inc.

OPERATOR: CANADIAN NATURAL RESOURCES LTD., Fourth Floor, 300 Fifth Avenue SW, Calgary, Alberta T2P 3C4.

METALS: (Copper, molybdenum).

DESCRIPTION: Gradational biotite, gneiss, biotite-hornblende gneiss, and granodiorite gneiss are intruded by random felsitic dykes and quartz veins containing minor magnetite, pyrite, chalcopyrite, and molybdenite.

WORK DONE: 1979 – geological mapping, 1.5000; linecutting, approximately 120 kilometres; ground magnetometer survey, approximately 90 kilometres; induced polarization survey, 14.45 kilometres; and geochemical survey, 1 480 soil samples analysed for copper and molybdenum, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. 69; Assessment Reports 3182, 5583, 7974; Mineral Inventory 92H/SE-100.

LUCKY TODD (Fig. E-1, NTS 92, No. 136)

LOCATION: Lat. 49° 27.5' Long. 121° 00' (92H/7W, 6E)
SIMILKAMEEN M.D. Approximately 2 kilometres southwest of the junction of Vuich Creek and Tulameen River, with both Railroad Creek and Vuich Creek running through the claims.

CLAIMS: ALB 1 to 8 (1 unit each).

OWNER: ROYALON PETROLEUM CORP., 403, 750 West Pender Street, Vancouver.

DESCRIPTION: The property is underlain by grits and shales of the (Cretaceous) Pasayten Group which are within an embayment of granodiorite intrusions.

WORK DONE: Ground magnetometer and ground electromagnetic surveys, 4 kilometres; and geochemical survey, 424 soil samples analysed for copper and silver.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1937, p. D26; Assessment Report 9434.

LUCKY STRIKE, REGAL (Fig. E-1, NTS 92, No. 146)

LOCATION: Lat. 49° 30' Long. 120° 27.5' (92H/8W, 9W)
SIMILKAMEEN M.D. Approximately 16.8 kilometres southwest of Erris station; Mount Miner lies 400 metres south of the claims and Deer Valley Creek cuts through the western side of the claims.

CLAIMS: SETTLER 1 (8 units), SETTLER 2 (6 units), IRLY BIRD (6 units), JWG 1 to 11 (1 unit each), JWG MINER (8 units), OLD BALDY (9 units), THUNDERBIRD (12 units).

OWNER: G. Lavzon.

OPERATORS: SUPERIOR OIL CO.,Tucson, Arizona, U.S.A. and JMT SERVICES CORP., 8827 Hudson Street, Vancouver.

METALS: Copper, gold, iron, manganese.

DESCRIPTION: Drilling intersected Nicola andesitic volcanic and sedimentary rocks, tuffs, minor microdiorite, and feldspar porphyry dykes.

WORK DONE: 1979 – diamond drilling, 2 holes, totalling 734.4 metres, on Irly Bird.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 129; 1979, p. 148; (Lucky Strike), p. 145 (Regal); Assessment Reports 251, 318, 448, 6292, 6636, 7476, 7477, 8600, Mineral Inventory 92H/SE-78, 92H/NE-24.

LOST HORSE (Fig. E-1, NTS 92, No. 137)

LOCATION: Lat. 49° 17' Long. 120° 07' (92H/8E)
OSOYOOS M.D. Thirty-four kilometres southeast of Princeton on the headwaters of a north fork of Paul Creek, 6 kilometres west of the Similkameen River.

CLAIMS: LOST HORSE 1 to 4, LOST HORSE A and B (Lots 3239S to 3244S).
OWNER: R. G. SCHNEIDER, Cawston.
METALS: Gold, silver.
WORK DONE: 1979 – ground magnetometer survey, 8.5 kilometres, covering all claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1936, p. D53; Assessment Report 8033; Mineral Inventory 92H/SE-50.

MISSION (FLINT) (Fig. E-1, NTS 92, No. 145)

LOCATION: Lat. 49° 19′ Long. 120° 07′ (92H/8E)
OSOYOOS M.D. Approximately 7.7 kilometres west-northwest of Bradshaw, approximately 5.4 kilometres south-southwest of Hedley.
CLAIMS: ION (16 units), GAMA (6 units), ALFA (4 units), FLINT (4 units), MISSION (16 units).
OWNER: AGIO RESOURCES CORP., 201, 845 Hornby Street, Vancouver.
METALS: Silver, gold, zinc.
DESCRIPTION: The property is underlain by a tongue of fractured mineralized granodiorite intruding argillite of the Nicola Formation. Andesite dykes are present near the main showing and consist of several shear zones in a north-striking fault zone. The fault zone contains disseminated lenses of pyrite and sphalerite with gold and silver.
WORK DONE: Linecutting, 15 kilometres; and induced polarization survey, 15 kilometres, on Flint; diamond drilling, BQ, totalling 454.45 metres, on Mission.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 393; Assessment Reports 3904, 9222; Mineral Inventory 92H/SE-52.

SKIDOO (Fig. E-1, NTS 92, No. 139)

LOCATION: Lat. 49° 20′ Long. 120° 08.5′ (92H/8E)
SIMILKAMEEN and OSOYOOS M.D. Approximately 4 kilometres southwest of Hedley, south of the Similkameen River at the headwaters of Henri Creek.
CLAIMS: NN 1 to NN 8, JB 1 to JB 8, KR 1 to KR 6, LR 1 to LR 6, SKIDOO 1 (16 units).
OWNER: MERCEDES PETROLEUM LTD., 1004, 789 West Pender Street, Vancouver.
DESCRIPTION: Argillite, limestone, and chert are cut by diorite and fissure-filling quartz veins nearby that include auriferous sulphide mineralization.
WORK DONE: Geochemical survey, 240 soil samples analysed for gold, silver, and copper, on all claims.
REFERENCE: Assessment Report 8727.

GOOD HOPE (Fig. E-1, NTS 82, No. 379)

LOCATION: Lat. 49° 21′ Long. 120° 00′ (82E/5W; 92H/8E)
Report on this property in Metals section 82E/5W.

MINNEHAHA (Fig. E-1, NTS 92, No. 138)

LOCATION: Lat. 49° 21′ Long. 120° 07′ (92H/8E)
OSOYOOS M.D. Three kilometres west of Hedley on the south side of the Similkameen River.

CLAIM: MINNEHAHA (Lot 47S).

OWNER: J. G. KIRK, 2814 Wyndeatt Street, Victoria.

DESCRIPTION: Limestone and argillite with interbedded tuff (Paleozoic) are intruded by Hedley diorite (Mesozoic).

WORK DONE: 1979 – prospecting.

REFERENCE: Assessment Report 8057.

MAPLE LEAF (Fig. E-1, NTS 92, No. 143)

LOCATION: Lat. 49° 21′ Long. 120° 08′ (92H/8E)
OSOYOOS M.D. Three kilometres west of Hedley on Henri Creek.

CLAIMS: PINE KNOT 601 and 602 (Lot 43S), PINE KNOT 3 and 4 (Lot 44S), PINE KNOT 9112P to 9115P (Lots 45S and 46S), MIKE claim 1126 (6 units) (Lots 3351S and 3356S).

OWNER: BANBURY GOLD MINES LTD., 302, 540 Burrard Street, Vancouver V6C 2K1.

METALS: Gold, silver, copper, lead.

DESCRIPTION: This area is characterized by diorite intrusions in a large expanse of black argillites, limestones, conglomerate, and chert of Triassic age. Commercial mineralization appears to be confined to quartz veins near the contact.

WORK DONE: Geological mapping, 1:100; and road building, 1 200 metres, on all claims; diamond drilling, 20 AQ and BQ holes, totalling 1 507 metres, on Pine Knot 601, 602, and 3.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1936, p. D5-9; *Geol. Surv., Canada*, Mem. 243, p. 76; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 145; Mineral Inventory 92H/SE-46.

ARSENO (Fig. E-1, NTS 92, No. 142)

LOCATION: Lat. 49° 22′ Long. 120° 10′ (92H/8E)
SIMILKAMEEN M.D. Approximately 7 kilometres west of Hedley, on the northern shore of Similkameen River where Smith Creek drains into the river.

CLAIMS: ARSENO (20 units), BLUFF 1 (12 units), BLUFF 2 (10 units), SMITH (12 units).

OWNER: LACANA MINING CORP., 312, 409 Granville Street, Vancouver.

DESCRIPTION: The property is underlain by sheared argillites and tuffs of the 'Wolfe Creek' formation and diorite. Stringers and lenses of arsenopyrite are common.

WORK DONE: Linecutting, 1.5 kilometres; and geochemical survey, 592 soil samples analysed for gold and arsenic, on Arseno.

REFERENCE: Assessment Report 9408.

CANTY, GREENWOOD (Fig. E-1, NTS 82, No. 378)

LOCATION: Lat. 49° 23′ Long. 120° 00′ (82E/5W; 92H/8E)
Report on this property in Metals section 82E/5W.

BULLION (Fig. E-1, NTS 92, No. 144)

LOCATION: Lat. 49° 23′ Long. 120° 01′ (92H/8E)
OSOYOOS M.D. Five kilometres east of Hedley on the east side of Lookout Mountain.

CLAIMS: BULLION (Lot 3272), PRIDE (Lot 3273), EVENING STAR (Lot 3275).

OWNER: HEDLEY PACIFIC MINING CORP. LTD., 890, 777 Hornby Street, Vancouver V6Z 1S4.

METAL: (Gold).

DESCRIPTION: A thick series of highly folded and faulted sedimentary and volcanic rocks intruded by stocks, dykes, and sills of diorite, gabbro, and minor acidic dykes as well as massive bodies of granitic rock. Gold occurs within arsenopyrite and lesser chalcopyrite and pyrrhotite within folded and fracture zones near or adjacent to gabbro and diorite intrusive rocks.

WORK DONE: Road building, 0.8 kilometre; ground magnetometer survey and ground electromagnetic survey, 5.85 kilometres; and percussion drilling, 20 holes, totalling 610 metres, on all claims.

REFERENCES: *Geol. Surv., Canada*, Mem. 2, 1910; Sum. Rpt., 1929-A.

NICKEL PLATE (Fig. E-1, NTS 92, No. 141)

LOCATION: Lat. 49° 23′ Long. 120° 03′ (92H/8E)
OSOYOOS M.D. Three kilometres northeast of Hedley on Nickel Plate Mountain.

CLAIMS: PS FR. (Lot 200S), NELLIE A (Lot 265S), BADGER (Lot 389S), BEAVER (Lot 634S), MORNING (Lot 655S), PARIS (Lot 656S), TRIANGLE FR. (Lot 663), DOMINION (Lot 679S), WELLINGTON (Lot 707), CRACKER JACK (Lot 708), EXCHANGE FR. (Lot 725), NICKEL PLATE FR. (Lot 635), BULLDOG (Lot 739), SUNNYSIDE (Lot 740), NICKEL PLATE (Lot 741), COPPER FIELD (Lot 742), SILVER PLATE (Lot 743), GOLD FIELD (Lot 744), ELECTRO PLATE (Lot 745), ALICE (Lot 852), JULY FR. (Lot 1581S), NEW YORK FR. (Lot 1582S), IRON DUKE (Lot 1600), DANUBE (Lot 1792), GOLD PLATE (Lot 1793), SUNSHINE NO. 1 FR. (Lot 1794), WARRIMOO (Lot 1795), AORANGI (Lot 1796), DANUBE FR. (Lot 1797), WOODLAND (Lot 1798), MOUND (Lot 1876), COPPER CLEFT (Lot 1877), MAFEKING (Lot 1975), IRON PLATE FR. (Lot 1980), KINGSTON (Lot 2474), ROLLO (Lot 2475), PRINCETON (Lot 2476), KING (Lot 2477), WARHORSE (Lot 2478), GRANDVIEW (Lot 2479), METROPOLITAN (Lot 2480), KINGSTON FR. (Lot 2481), IXL (Lot 2664), CLIMAX (Lot 2665), RED MOUNTAIN (Lot 2666), SACRAMENTO (Lot 2673), BANNER (Lot 2819), CENTRE STAR FR. (Lot 2822), DRAW (Lot 2823), CZAR FR. (Lot 2832), KITCHENER FR. (Lot 2903S), SALT LAKE FR. (Lot 2904), MOUND FR. (Lot 2905S), RED EAGLE (Lot 3032), MIDDAY FR. (Lot 3033), MAYFLOWER (Lot 3034), WAR EAGLE (Lot 3037), VICTORIA FR. (Lot 3113S), COYOTE FR. (Lot 3312S), ANNIE BROOKS FR. (Lot 3313S), AUGUST (Lot 3314S), ENCKECHIN (Lot 3326S), SYNKELIP (Lot 3327S), CHINOOK (Lot 3328S), CHILANKO (Lot 3398S), MOWICH (Lot 3399S), CIUTAN (Lot 3400S), WINDFALL (Lot 3410S), BIGHORN (Lot 3411), WINCHESTER FR. (Lot 3412), STEMWINDER (Lot 3464), GLENWOOD FR. (Lot 3465), CHARTER OAK (Lot 3466), SAGE (Lot 3850S), SPRUCE FR. (Lot 3851S), FIR FR. (Lot 3852S), PINE FR. (Lot 3853S), JUNIPER FR. (Lot 3854S), ASPEN FR. (Lot 3855S), CEDAR FR. (Lot 3856S), THISTLE NO. 2 (Lot 3878S), THISTLE NO. 2 FR. (Lot 3879S), THISTLE FR. (Lot 3880S), and Mineral Leases M-71 and M-72.

OWNER: MASCOT GOLD MINES LTD., 310, 800 Sixth Avenue SW, Calgary, Alberta T2P 3G3.

METALS: Gold, silver, copper, cobalt.

DESCRIPTION: Mineralization occurs in bedded metamorphosed limestones associated with intrusive dykes and sills. Gold occurs in association with arsenopyrite, chalcopyrite, cobalite, and pyrrhotite.

WORK DONE: Underground sampling, 450 chip samples; and underground diamond drilling, 4 holes, totalling 121.9 metres, on Nickel Plate and Sunnyside; underground development, 241.9 metres; diamond drilling, 5 holes, totalling 121.9 metres, all on Sunnyside, Bulldog, and Nickel Plate; geological mapping, 1:500, and rehabilitation, on Bulldog, Morning, and Czar.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 144; Mineral Inventory 92H/SE-36, 38, 49, 61, 63, 82.

ORO **(Fig. E-1, NTS 92, No. 140)**

LOCATION: Lat. 49° 26.5′ Long. 120° 00′ (92H/8E; 82E/5W)
OSOYOOS M.D. Approximately 11 kilometres northeast of Hedley, 3.5 kilometres northeast of the junction of Nickel Plate Creek and Hedley Creek.

CLAIMS: ORO 1 to 8, NEVA 1 and 2, ZONE 1 to 8, RENO 1 to 6.

OWNERS: A. F. Bellamy, G. Jones, G. Ramsey, I. Ramsey, and I. Haryett.

OPERATOR: G. RAMSEY, RR 1, Keremeos.

DESCRIPTION: Quartzites, tuffs, limestone, and skarn; eastern sections underlain by granite-granodiorite intrusive rocks. Sedimentary rocks strike northwest and dip 30 degrees southwest. Quartz veins cut all rock types and carry arsenopyrite, pyrite, chalcopyrite, and zincblende.

WORK DONE: Geological mapping, 1:4800; ground magnetometer survey, approximately 5 kilometres; and geochemical survey, 76 soil samples analysed for gold and 6 rock samples analysed for gold, silver, and copper, on all claims.

REFERENCE: Assessment Report 8753.

DECANO **(Fig. E-1, NTS 92, No. 150)**

LOCATION: Lat. 49° 45′ Long. 120° 00′ (92H/9E, 16E; 82E/12W, 13W)
SIMILKAMEEN M.D. Approximately 26 kilometres southeast of Pennask Lake, lying 10.5 kilometres northeast of the junction of Trout Creek and Kathleen Creek.

CLAIMS: CMS, CMS 1 (12 units each).

OWNER: J. MARKEVITCH, 13389 Crestview Drive, Surrey.

METAL: Molybdenum.

DESCRIPTION: The main rock type is medium to coarse-grained light grey granodiorite intruded by an altered feldspar (porphyry) dyke having widths up to 76.2 metres and striking north 55 degrees west. Pyrite, molybdenite, and ferromolybdenum occur in the porphyry dyke.

WORK DONE: Geological mapping; ground magnetometer survey and ground electromagnetic survey; and geochemical survey, 284 soil samples analysed for copper and molybdenum and 3 rock samples analysed for molybdenum, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 145; 1979, p. 148; Assessment Report 8792; Mineral Inventory 92H/NE-27.

JUNE (Fig. E-1, NTS 92, No. 148)

LOCATION: Lat. 49° 40′ Long. 120° 05′ (92H/9E)
SIMILKAMEEN M.D. Fifty-one kilometres east-northeast of Tulameen and 4.5 kilometres south of Thirsk Lake, covering an unnamed creek.

CLAIM: JUNE (12 units).

OWNER: P. CREAN, 1103, 675 West Hastings Street, Vancouver.

DESCRIPTION: There are no rock outcrops on the property. The original geology consists of reddish, coarse-grained, siliceous granite and granodiorite.

WORK DONE: Geochemical survey, 231 soil samples analysed for molybdenum.

REFERENCE: Assessment Report 8173.

OSP, HP (Fig. E-1, NTS 92, No. 147)

LOCATION: Lat. 49° 42′ Long. 120° 08′ (92H/9E)
SIMILKAMEEN M.D. Approximately 10 kilometres southwest of Mount Kathleen, lying approximately 4 kilometres southeast of the junction of Empress Creek and Trout Creek.

CLAIMS: HP 3 to 8 (1 unit each), OSP 1 (16 units), OSP 2 (16 units), OSP 3 (20 units), OSP 4 (20 units), OSP 6 (20 units), OSP 7 (18 units), OSP 8 (16 units).

OWNERS: Cominco Ltd., H. L. Williams, and P. Crean.

OPERATOR: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METAL: Molybdenum.

DESCRIPTION: The molybdenum mineralization is locally associated with leucocratic quartz monzonite and aplite which intrude a more extensive body of coarsely porphyritic granodiorite. All are phases of the Okanagan batholith.

WORK DONE: Road building, 1.76 kilometres; percussion drilling, 2 holes, totalling 195.1 metres; and geochemical survey, 164 soil samples analysed for molybdenum, copper, zinc, and lead, on HP and OSP.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 147 (OSP), p. 148 (HP); Assessment Reports 7449, 7729, 8581; Mineral Inventory 92H/NE-185.

PETRA (Fig. E-1, NTS 92, No. 149)

LOCATION: Lat. 49° 44′ Long. 120° 04′ (92H/9E)
SIMILKAMEEN M.D. Fifty kilometres northeast of Princeton on the north side of Trout Creek, 3 kilometres west of Camp Creek.

CLAIMS: RAD (2 units), DWI (2 units), PETRA (4 units).

OWNER: GRANDE TRUNK RESOURCES INC., 501, 580 Granville Street, Vancouver V6C 1W8.

METAL: (Gold).

DESCRIPTION: Two steeply dipping, east-westerly trending shear zones within Coast intrusive granodiorite (Jurassic) contain gold and silver values associated with banded magnetite-manganese mineralization subparallel to small lenses and stringers of quartz.

WORK DONE: Geological mapping; trenching, rehabilitation and 2 000 metres of new trenches; and sampling, 22 samples taken, all on Rad and DWI.

REFERENCE: Assessment Report 7988.

ALLISON, FRED (Fig. E-1, NTS 92, No. 152)

LOCATION: Lat. 49° 33.5′ Long 120° 30′ (92H/10E)
SIMILKAMEEN M.D. Approximately 11 kilometres north of Princeton, Summers Creek cuts through the centre of the claim group near the junction of Summers Creek and Allison Creek.

CLAIMS: FRED (20 units), LEE 1 (1 unit), LEE 2 (1 unit).

OWNER: G. Webster.

OPERATOR: A. A. SIMPSON, 5852 – 64th Street, Delta V4K 3N3.

METAL: Copper.

DESCRIPTION: The property is located centrally within a north-south-trending band of sedimentary and volcanic rocks of the Nicola Group (Upper Triassic). Two major faults, the Summers Creek and the Allison Creek faults, intersect the property. Occasional blebs of chalcopyrite and malachite coatings occur with chlorite, epidote, and carbonate in metasedimentary rocks.

WORK DONE: Prospecting.

REFERENCES: Mineral Inventory 92H/NE-161; Assessment Report 8735.

P (Fig. E-1, NTS 92, No. 153)

LOCATION: Lat. 49° 39.5′ Long. 120° 37.5′ (92H/10E)
SIMILKAMEEN M.D. Twenty kilometres north of Princeton, along the Princeton–Merritt road at Dry and Borgeson Lakes.

CLAIMS: LAKE (16 units), DRY (16 units).

OWNER: NUFORT RESOURCES INC., 1101, 330 Bay Street, Toronto, Ontario M5H 2S8.

METAL: Copper.

DESCRIPTION: Granitic rocks of the Coast intrusions form a southeasterly finger that intrudes varicoloured volcanic flow rocks, tuff, argillite, limestone, chlorite, and sericite schist of the Nicola Group. The southeasterly flowing Allison Creek appears to represent a major fault lineament.

WORK DONE: Linecutting, 80 kilometres; and geochemical survey, 1 265 soil samples analysed for zinc, lead, silver, and copper, on Dry and Lake.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 130; Assessment Reports 4168, 8184; Mineral Inventory 92H/NE-116.

RUM (Fig. E-1, NTS 92, No. 154)

LOCATION: Lat. 49° 45′ Long. 120° 32′ (92H/10E, 15E)
SIMILKAMEEN M.D. Approximately 32 kilometres north of Princeton and 21 kilometres south-southeast of Aspen Grove, approximately 2 kilometres west of Missezula Lake and Summers Creek.

CLAIMS: RUM 3 and RUM 4 (20 units each), RUM 5 to 7 (1 unit each), RUM 7 (6 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: Copper, iron.

DESCRIPTION: The property is underlain by alkaline porphyry rocks

WORK DONE: Ground magnetometer survey, 17 kilometres; and geochemical survey, 224 soil samples analysed for copper, lead, and zinc, on Rum.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 84; 1977, p. E 130; Assessment Reports 3365, 6036, 8352; Mineral Inventory 92H/NE-99.

GRASSHOPPER MOUNTAIN, BONANZA, MARCOTTE (Fig. E-1, NTS 92, No. 156)

LOCATION: Lat. 49° 33′ Long. 120° 53′ (92H/10W)
SIMILKAMEEN M.D. Approximately 8.9 kilometres west of Tulameen, covering Grasshopper Mountain.

CLAIMS: GRASSHOPPER 1 and 2 (10 units each).

OWNER: R. J. BILQUIST, Box 81, Gabriola Island V0R 1X0.

METALS: Platinum, gold, copper, chromium.

DESCRIPTION: The claims cover the contact zone between ultramafic intrusive rocks and the Nicola Group rocks. Old workings expose pyritic quartz veins occasionally displaying malachite stains.

WORK DONE: 1979 – geological mapping, 1:5000; linecutting, 11.8 kilometres; and geochemical survey, 63 rock samples analysed for gold, copper, and platinum, on both claims; 1980 – linecutting, 12.5 kilometres; and trenching, 4 trenches, 6.88 cubic metres, on both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1937, p. D29; 1960, p. 53; Assessment Report 7944; Mineral Inventory 92H/NE-11, 12, 67.

RED BIRD, SPOKANE (LODE) (Fig. E-1, NTS 92, No. 157)

LOCATION: Lat. 49° 35′ Long. 120° 48′ (92H/10W)
SIMILKAMEEN M.D. Approximately 5 kilometres north of the junction of Tulameen River and Olivine Creek, Lockie Creek cuts through the centre.

CLAIMS: RABBITT 1 (12 units), RABBITT 2 (4 units), RABBITT 3 (9 units), RABBITT 4 (8 units), BOULDER 1 (16 units), BOULDER 2 (18 units), YMIR (Lot 264), MORNING (Lot 265), OSHKOSH (Lot 266), WINIBAGO (Lot 267), BLACKBIRD (Lot 268), BERLIN (Lot 269), FREDDIE BURN (Lot 270), CONSTITUTION (Lot 282), INTERNATIONAL (Lot 283), ANACONDA (Lot 373).

OWNER: Brican Resources Ltd.

OPERATOR: VENTURES WEST MINERALS LTD., 619, 475 Howe Street, Vancouver V6C 2B3.

METALS: Copper, lead, zinc.

DESCRIPTION: Andesitic to rhyolitic volcaniclastic rocks of the Nicola Group (Upper Triassic) are intruded by granitic rocks of Mesozoic to Cenozoic age. Extensive stratiform pyrite and chalcopyrite with minor amounts of galena, sphalerite, chalcocite, malachite, azurite, hematite, and limonite occur in quartz-sericite schistose rocks. Another type of sporadic sulphide mineralization occurs in quartz veins cutting rocks of felsic composition.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 505 soil samples analysed for copper, lead, and zinc, on Boulder 1 and 2 and Rabbitt 1-3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 147; 1979, p. 152; Assessment Reports 7064, 7159, 7710, 8411; Mineral Inventory 92H/NE-19, 20, 122.

IRA (Fig. E-1, NTS 92, No. 155)

LOCATION: Lat. 49° 36′ Long. 120° 55′ (92H/10W)
SIMILKAMEEN M.D. Northwest of Tulameen, on Skwum Creek.

CLAIM: MARA 1 (8 units).

OWNER: MARA MINERALS & OIL INC., 770 McFarlane Tower, 700 Fourth Avenue SW, Calgary, Alberta.

METALS: Copper, molybdenum.
WORK DONE: Percussion drilling, 7 holes, totalling 314 metres; and geochemical survey, 42 rock samples analysed for copper and molybdenum.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 147; Assessment Reports 6824, 8543; Mineral Inventory 92H/NE-39.

MRT (Fig. E-1, NTS 92, No. 159)

LOCATION: Lat. 49° 41′ Long. 120° 52′ (92H/10W)
SIMILKAMEEN M.D. The claim is situated in and around the headwaters of Thynne Creek, 7 kilometres north-northwest of Thynne Lake.
CLAIM: MRT (20 units).
OWNER: PAN OCEAN OIL LTD., 300 Fifth Avenue SW, Calgary, Alberta.
DESCRIPTION: The property is underlain by felsic to intermediate flow rocks, overlying and in part interbedded with polylithic agglomerate, lapilli, and tuff belonging to the (Lower Cretaceous) Kingsvale Group which in turn have been intruded by the Otter intrusion (Cretaceous).
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 50 soil samples analysed for copper, lead, zinc, and silver, 6 silt samples analysed for copper, lead, zinc, molybdenum, silver, gold, arsenic, antimony, tungsten, cobalt, barium, and tin, and 13 rock samples analysed for copper, lead, zinc, silver, gold, arsenic, antimony, tungsten, and barium.
REFERENCE: Assessment Report 9334.

EL ALAMEIN (Fig. E-1, NTS 92, No. 158)

LOCATION: Lat. 49° 32′ Long. 121° 50′ (92H/10W)
SIMILKAMEEN M.D. Approximately 5.5 kilometres west of Tulameen on the south side of the Tulameen River between Hines Creek and Olivine (Slate) Creek.
CLAIM: EL ALAMEIN (4 units).
OWNER: N. W. STACEY, 305, 2320 Trinity Street, Vancouver V5L 4W7.
METAL: Gold.
DESCRIPTION: The principal showings consist of a shear zone containing narrow stringers of calcite and quartz erratically mineralized with free gold. The shear zone approximately follows the contact between northwesterly trending rhyolite porphyry and argillite, and a diorite dyke.
WORK DONE: Linecutting, 1.6 kilometres; and ground electromagnetic survey, 1.6 kilometres.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1960, p. 52; Assessment Report 7995; Mineral Inventory 92H/NE-22.

DOMINION (Fig. E-1, NTS 92, No. 161)

LOCATION: Lat. 49° 32′ Long. 121° 11′ (92H/11E)
NEW WESTMINSTER M.D. Approximately 32 kilometres northeast of Hope between Boston Bar Creek to the west and Coquihalla River to the east, with Norley Creek to the south and Needle Creek to the north.
CLAIMS: MILE HI 1 to 4 (20 units each), MILE HIGH 5 to 12.
OWNER: A. R. RAVEN, 904, 885 Dunsmuir Street, Vancouver.
METALS: Molybdenum, manganese.

DESCRIPTION: The claims are underlain by Cretaceous (?) plutonic rocks, predominantly monzonite. Local aplitic and pegmatitic zones of limited extent were noted, as were two occurrences of diabase. No faults were observed; jointing is well developed.

WORK DONE: Geological mapping, 1:2500; and geochemical survey, 45 rock samples analysed for copper and molybdenum, on Mile Hi 1 and 2, and Mile High 11.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 152, 153; Assessment Reports 1125, 7391, 8654; Mineral Inventory 92H/NW-12, 66.

KEYSTONE, ROVER (Fig. E-1, NTS 92, No. 162)

LOCATION: Lat. 49° 41' Long. 121° 01' (92H/11E)
NICOLA M.D. Thirty-four kilometres northeast of Yale, 6 kilometres north of Coquihalla Lakes on the west bank of Coldwater River.

CLAIMS: KEYSTONE, COMSTOCK (6 units each), BONANZA, RIVER QUEEN 1 (8 units each), RIVER QUEEN 2 and 3, RED BOG (6 units each), BLUE GOLD, FALLS (9 units each), DRY 1 (18 units).

OPERATOR: WESTERN MINES LTD., 1103, 595 Burrard Street, Vancouver V7X 1C4.

METALS: Molybdenum, (gold, silver, copper, lead, zinc).

DESCRIPTION: The property is underlain by foliated Eagle granodiorite that has been intruded by nonfoliated quartz diorite intrusions, porphyritic bodies and dykes, and breccias. Sulphide mineralization is associated with several of these events and occurs with quartz veins, as disseminations, and along fractures. Molybdenite mineralization occurs both as a pre and a post-intrusive breccia event. Lead-zinc mineralization is dominantly post-intrusive brecciation.

WORK DONE: Diamond drilling, 2 NQ and BQ holes, totalling 1 421 metres; and analysis of drill core, on Keystone.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 133 (Red Bog); 1978, p. E 147; 1979, p. 153; Assessment Reports 6758, 8863; Mineral Inventory 92H/NW-24, 25, 50.

NEW (Fig. E-1, NTS 92, No. 160)

LOCATION: Lat. 49° 44.5' Long. 121° 02' (92H/11E)
NICOLA M.D. Fifty-two kilometres northeast of Hope, just north of Juliet Creek at Coldwater River.

CLAIM: NEW (8 units).

OWNER: J. E. Charlesworth.

OPERATOR: NEWBURY EXPLORATIONS LTD., 1075 Duchess Avenue, West Vancouver V7T 1G8.

DESCRIPTION: The property is underlain almost entirely by Cretaceous biotite granite cut by dykes of coarse pegmatite and dense basalt. There is some evidence of Nicola volcanic rocks toward the southeast part of the claim.

WORK DONE: Linecutting, 11.3 kilometres; and geochemical survey, 24 silt and 240 soil samples analysed for gold, silver, molybdenum, copper, and zinc.

REFERENCE: Assessment Report 8567.

SISU (Fig. E-1, NTS 92, No. 169)

LOCATION: Lat. 49° 30.5' Long. 121° 22' (92H/11W)
NEW WESTMINSTER M.D. Approximately 7 kilometres south-southeast of Yale (Suka Creek flows through the properties).
CLAIMS: SISU 1 and 2 (20 units each).
OWNER: R. D. Boyd.
OPERATOR: G. SKORONSKI, 516 East Sixth Avenue, New Westminster.
DESCRIPTION: The property is underlain by Hozameen gneiss, mafic volcanic, and slate units near the boundary of an intrusive body. A series of parallel quartz veins contain small stringers of pyrite.
WORK DONE: Geological mapping, 1:10 000, on Sisu 1.
REFERENCE: Assessment Report 9577.

IDAHO, AURUM (Fig. E-1, NTS 92, No. 168)

LOCATION: Lat. 49° 31' Long. 121° 18' (92H/11W)
NEW WESTMINSTER M.D. Twelve kilometres southeast of Yale, 9 kilometres east of Emory Bar.
CLAIMS: AURUM 1 to 6 (Lots 1236 to 1241), IDAHO (Lot 1234), TRAMWAY (Lot 1235), HOME GOLD 1 to 15, GOLD STAR 1 to 4, CABIN 1 to 14, CABIN 20 and 21 Fractions, SYLVIA FR., CARO 1 to 27, 29, 30, CARO 1 to 3, 5, 6 Fractions, D 1 (20 units), PCR 1 (6 units), PCR 2 (2 units).
OWNER: CAROLIN MINES LTD., 1020, 475 Howe Street, Vancouver V6C 2B3.
METALS: Gold, silver.
DESCRIPTION: Replacement zone in Ladner slates.
WORK DONE: Underground development, 2 374 metres; and underground diamond drilling, 1 750 metres, on Idaho; mill building excavation, on Aurum 1; dam site clearing on tailings site, on PCR 1; road building, 1 kilometre, on Caro 15.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 131; 1978, pp. E 148, E 149; Assessment Reports 4852, 5883, 7608; Mineral Inventory 92H/NW-3, 7.

PIPESTEM, STEM (Fig. E-1, NTS 92, No. 163)

LOCATION: Lat. 49° 32' Long. 121° 18' (92H/11W)
NEW WESTMINSTER M.D. Approximately 7 kilometres east of Yale, near the headwaters of Siwash Creek, north and east of Spider Peak.
CLAIMS: STEM 1 to 12 (1 unit each), DICK (12 units), SPID (6 units).
OWNER: AQUARIUS RESOURCES LTD., c/o 4882 Delta Street, Delta.
METALS: Gold, silver, copper.
DESCRIPTION: The property is situated on the Coquihalla serpentine band and the Ladner (Jurassic) argillites, greywackes, and slates.
WORK DONE: Geochemical survey, 978 soil samples analysed for gold, on Stem 11, 12, Spid, and Dick.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 154; Assessment Reports 6813, 8371; Mineral Inventory 92H/NW-11.

NORM (Fig. E-1, NTS 92, No. 168)

LOCATION: Lat. 49° 32' Long. 121° 20' (92H/11W)
NEW WESTMINSTER M.D. Approximately 8 kilometres east-southeast of Yale, overlying Spider Peak.

CLAIMS: NORM 1 to 4 (1 unit each).

OWNER: Golden Shamrock Resources Ltd.

OPERATOR: CAROLIN MINES LTD., 1002, 475 Howe Street, Vancouver.

METAL: Gold.

DESCRIPTION: Three main rock types are found: a black slate, an intermediate volcanic unit, and an ultramafic unit (serpentine). The volcanic unit, in which all the mineralization occurs, is a light-coloured silicified, carbonatized, and pyritized aphanite. The slate-volcanic contact strikes northerly, the slaty cleavage strikes north, dips 85 degrees east.

WORK DONE: Geochemical survey, 256 soil and 21 rock samples analysed for gold, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 149; Assessment Reports 5617, 6000, 6889, 8651; Mineral Inventory 92H/NW-56.

EMIGRANT (Fig. E-1, NTS 92, No. 167)

LOCATION: Lat. 49° 35' Long. 121° 20' (92H/11W)
NEW WESTMINSTER M.D. Approximately 3.5 kilometres east of the Fraser River and Siwash Creek junction, lying along both sides of Siwash Creek.

CLAIMS: LESLIE 1 to 5, PAW 5 to 8.

OWNERS: E. N. Ascroft and R. B. Pincombe.

OPERATOR: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta.

METAL: Gold.

WORK DONE: Geochemical survey, 284 soil samples analysed for gold, on Leslie 1-3 and 5 and Paw 5-8.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 150 (Spuz, Stem); Assessment Report 8708; Mineral Inventory 92H/NW-5, 15, 17.

SPUZ (Fig. E-1, NTS 92, No. 164)

LOCATION: Lat. 49° 40' Long. 121° 22' (92H/11W)
NEW WESTMINSTER M.D. Approximately 3 kilometres east of Spuzzum property, extending from north of Gilt Creek to south of Siwash Creek.

CLAIMS: LAST (6 units), MAJ–C (18 units), MAJ–B (14 units), GILT (9 units), MAG A (12 units), SPUZ A (10 units), SPUZ B, SPUZ C, SPUZ D, SPUZ G (12 units each).

OWNER: AQUARIUS RESOURCES LTD., c/o 4882 Delta Street, Delta.

METAL: Gold.

DESCRIPTION: The claims straddle the Coquihalla serpentine band and Hozameen fault which marks the western boundary of the Methow graben separating Ladner Group slates (Upper Jurassic) and Hozameen Group cherts and metavolcanic rocks (Paleozoic).

WORK DONE: Geochemical survey, 1 250 soil samples analysed for gold, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 150; 1979, p. 154; Assessment Reports 5907, 6046, 6813, 6928, 6962, 7168, 7578, 7673, 8394; Mineral Inventory 92H/NW-33, 53-55.

GILT (Fig. E-1, NTS 92, No. 165)

LOCATION: Lat. 49° 41′ Long. 121° 23′ (92H/11W)
NEW WESTMINSTER M.D. Two kilometres east of Spuzzum in the Fraser Canyon.
CLAIMS: GILT (9 units), CG 1 to 4 (1 unit each), MIKE 1 to 8 (1 unit each), JULIE (4 units).
OWNERS: C. Graham, W. Chase, I. Urquhard, Aquarius Resources Ltd.
OPERATOR: AQUARIUS RESOURCES LTD., 4882 Delta Street, Delta V5K 2T8.
DESCRIPTION: Rock types on the claims are chiefly argillite, slate with interbedded wacke, and greywacke of Jurassic Ladner slate series intruded by diabase and diorite sills and a small diorite plug in fault contact (Hozameen fault) with Palaeozoic Hozameen cherts with quartz veinlets and minor greenstone; sparse pyrite, and pyrrhotite in mafic sills and slate, sparse arsenopyrite in cherty rock.
WORK DONE: Geological mapping, 1:5000.
REFERENCE: Assessment 8535.

RED BUG (Fig. E-1, NTS 92, No. 170)

LOCATION: Lat. 49° 35′ Long. 121° 49′ (92H/12W)
NEW WESTMINSTER M.D. The claim group lies on the east side of Harrison Lake at the mouth of Big Silver Creek.
CLAIMS: RED BUG (Lot 1176), BLUE JAY (Lot 1177), BLACK BEAR (Lot 1178), TRANSVAAL (Lot 1843), ELK (Lot 1844), BLUE DIAMOND (Lot 1845), BOSS EXTENSION (Lot 1846), BOSS (Lot 1847), AUSTRALIAN (Lot 1848), RAVEN (Lot 1849), RUBY (Lot 1847), QUARTZ KOP FR. (Lot 1875).
OWNER: B. COCHRANE, 5111 – 56th Street, Delta.
DESCRIPTION: The main rock type is a gneiss with an abundance of muscovite, striking northwest and dipping 40 to 60 degrees eastward. Narrow quartz veins, 5 to 25 centimetres, occur conformable to the foliation; one sugary quartz shows traces of pyrite, pyrrhotite, and chalcopyrite. One specimen of stibnite was identified.
WORK DONE: Reconnaissance geological mapping, 1:2000, on all claims.
REFERENCE: Assessment Report 8490.

MB (Fig. E-1, NTS 92, No. 205)

LOCATION: Lat. 49° 48′ Long. 121° 19′ (92H/14W)
NEW WESTMINSTER M.D. Approximately 12 kilometres south-southeast from Boston Bar with Uztlius Creek cutting the northwest portion of the property.
CLAIMS: MB 1 (10 units), MB 2 (6 units), MOD BAR (10 units).
OWNER: K. W. Livingstone.

OPERATORS: JMT SERVICES CORP., 8827 Hudson Street, Vancouver V6E 3S7 and UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The claim is located west of the western boundary of the Eagle batholith; intrusive rocks on the property are varied. Young breccias with fragments of rhyolite and hornfels sediments and tuffs intrude pyritic hornfels adjacent to a weakly mineralized granodiorite stock.

WORK DONE: 1979 – geochemical survey, 43 soil and 1 rock sample analysed for copper and molybdenum, on all claims.

REFERENCE: Assessment Report 8766.

AG (Fig. E-1, NTS 92, No. 172)

LOCATION: Lat. 49° 55′ Long. 120° 35.5′ (92H/15E)
NICOLA M.D. Approximately 50 kilometres north-northwest of Princeton, surrounding Miner Lake.

CLAIM: AG (12 units).

OWNER: WESTWARD ENERGY & RESOURCES CO., 1620, 700 West Georgia Street, Vancouver.

METAL: Copper.

DESCRIPTION: Much of the property is covered by red and green andesite with a matrix of feldspar porphyry belonging to the Upper Triassic Nicola Group. Mineralization occurs as chalcopyrite, chalcocite, and malachite generally associated with a high degree of fracturing and with carbonate and/or quartz veinlets.

WORK DONE: 1979 – geochemical survey, 797 soil samples analysed for silver, copper, and molybdenum; 1980 – induced polarization survey, 12.8 kilometres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 152; Assessment Reports 7029, 8522, 9250; Mineral Inventory 92H/NE-82-84.

AK (Fig. E-1, NTS 92, No. 174)

LOCATION: Lat. 49° 56′ Long. 120° 35.5′ (92H/15E)
NICOLA M.D. Approximately 48 kilometres north-northwest of Princeton, 2 kilometres northwest of Alleyne Lake.

CLAIM: AK (12 units).

OWNER: CAL DYNAMICS ENERGY CORP., 1006, 750 West Pender Street, Vancouver.

METAL: Copper.

DESCRIPTION: The property consists of red and green volcanic rocks belonging to the Upper Triassic Nicola Group. Mineralization occurs as chalcopyrite, chalcocite, malachite, and bornite within fractures or shear zones in the volcanic rocks.

WORK DONE: 1979 – geochemical survey, 807 soil samples analysed for copper, molybdenum, and silver; 1980 – induced polarization survey, 13.5 kilometres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 152; Assessment Reports 7050, 8040, 9251; Mineral Inventory 92H/NE-79-81.

AU (Fig. E-1, NTS 92, No. 176)

LOCATION: Lat. 49° 57′ Long. 120° 31′ (92H/15E, 16W)
NICOLA M.D. Eight kilometres east of Aspen Grove, 2 kilometres east of Pothole Lake.

CLAIMS: AU 1 (4 units), AU 2 (2 units), AU 3 (4 units), AU 4 (2 units), AU 5 (8 units).

OWNER: INVEX RESOURCES LTD., 709, 744 West Hastings Street, Vancouver V6C 1A9.

METALS: Gold, copper.

DESCRIPTION: Gold and minor chalcopyrite occur in a 4 to 5-metre-wide microdiorite sill within Nicola sedimentary and volcanic rocks.

WORK DONE: Geological mapping, 1:1000, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 379; Exploration in B.C., 1979, p. 157; Assessment Reports 5766, 7293, 7399; Mineral Inventory 92H/NE-144, 171.

HALO (Fig. E-1, NTS 92, No. 173)

LOCATION: Lat. 49° 57' Long. 120° 35' (92H/15E)
NICOLA M.D. Approximately 25 kilometres south of Merritt, about 3 kilometres north from the north tip of Alleyne Lake.

CLAIMS: HALO 1 (4 units), HALO 200 (12 units), HALO 300 (4 units), HALO 600 (6 units), HALO 700 (4 units).

OWNER: DAVID MINERALS LTD., c/o 4882 Delta Street, Delta V4K 2T8.

METALS: Gold, copper, silver.

DESCRIPTION: The claims over the Big Kidd breccia pipe, a circular diorite intrusive rock which is mineralized with varying proportions of magnetite, chalcopyrite, and pyrite.

WORK DONE: Trenching, 221 metres, 6 holes; and geochemical survey, 73 rock samples analysed for copper, silver, and gold.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 87; 1977, p. E 136; 1978, p. E 152; 1979, p. 157; Assessment Reports 1620, 1827, 3512, 5719, 5849, 5944, 6035, 6555, 7100, 7716, 8743; Mineral Inventory 92H/NE-71-76.

TROUT (Fig. E-1, NTS 92, No. 182)

LOCATION: Lat. 49° 50' Long. 120° 15' (92H/16)
SIMILKAMEEN M.D. Approximately 22 kilometres southwest of the southern tip of Pennask Lake, lying 3.5 kilometres east of Siwash Lake.

CLAIMS: TROUT 1 (20 units), TROUT 2 (6 units), TROUT 3 (9 units), TROUT 4 (12 units), TROUT 5 (20 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The area is underlain by porphyritic quartz monzonite showing poorly defined areas of sericite and chlorite alteration which are associated with trace amounts of molybdenum, pyrite, and abundant manganese oxide.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 433 soil samples analysed for copper, zinc, and molybdenum, on Trout 1 and 3.

REFERENCE: Assessment Report 8671.

PRIMER, ROADBLOCK, EJ (Fig. E-1, NTS 92, No. 151)

LOCATION: Lat. 49° 45' Long. 120° 30' (92H/16W, 9W, 10E, 15E)
SIMILKAMEEN M.D. Approximately 20 kilometres northwest of Jellicoe, with Missezula Lake lying on top of the northwest corner of the claim group.

CLAIMS: HG 1 to 6 (33 units), PRIME (16 units), PRIME 1 (8 units), PRIME 2 (16 units), MS 1 to 16.

OWNERS: Piper Petroleums Ltd., Newmont Exploration of Canada Ltd., P. Mullin, W. C. Stevens, E. Mullin, and G. I. Burr.

OPERATORS: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3 and PIPER PETROLEUMS LTD., Box 12541, 1066 West Hastings Street, Vancouver V6E 3X2.

METALS: (Copper), gold.

DESCRIPTION: The claims are underlain by an assemblage of intermediate volcanic and quartz-deficient intrusive rocks of the Nicola Group. Large-scale faulting played a major structural role in the area.

WORK DONE: Geological mapping, 1:10 000, 1:2500, and linecutting, 5.3 kilometres, on Prime 2; ground magnetometer survey, 13.92 kilometres, on HG 1, 2, and Prime; geological mapping, 1:500; roadbuilding, 100 kilometres; and trenching, 750 metres, on HG 1 and Prime; induced polarization survey, 9.8 kilometres, on Prime and HG 1 and 2; diamond drilling, 6 BQ holes, totalling 1 301 metres; on HG 1 and Prime; geological mapping, 1:15 840; and geochemical survey, 146 soil samples analysed for copper, on HG 3 and 5; and geochemical survey, 2 rock samples analysed for copper, on HG 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 137; 1978, p. E 154; 1979, p. 158 (Primer), p. 150 (Roadblock); Assessment Reports 6412, 6877, 6900, 7521, 8241, 8692; Mineral Inventory 92H/NE-41, 55, 56, 110, 119, 156.

MABEL (Fig. E-1, NTS 92, No. 186)

LOCATION: Lat. 49° 45.5′ Long. 120° 19.5′ (92H/16W)
SIMILKAMEEN M.D. Approximately 56 kilometres north of Princeton within drainage area of Siwash Creek; the headwaters of Tepee Creek are within the claims' boundary.

CLAIMS: LORI 1 to 4 (1 unit each).

OWNER: ARK ENERGY LTD., 1103, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Gold, iron, copper, lead, zinc, silver.

WORK DONE: Linecutting, 7.66 kilometres; ground magnetometer survey, 7.66 kilometres; and geochemical survey, 44 soil samples analysed for zinc and silver.

REFERENCES: Assessment Reports 2005, 8631; Mineral Inventory 92H/NE-28.

SNOWSTORM, TOP, EL PASO (Fig. E-1, NTS 92, No. 183)

LOCATION: Lat. 49° 47′ Long. 120° 20′ (92H/16W)
SIMILKAMEEN M.D. Twelve kilometres east of Missezula Lake and 6 kilometres southwest of Siwash Lake, extending northwestward from Simem Creek for 14 kilometres on both sides of Siwash Creek.

CLAIMS: PETERSON (Lot 8888), FISSURE MAIDEN (Lot 171), JUNE 1 (1 unit), SKYE 1 to 3 (1 unit each), ED (6 units), ED 2 (2 units), SASKAT 1 and 2 (1 unit each), JUNE 1 (1 unit), JUNE 2 (8 units), PAT 1 to 4 (1 unit each), VM 1 to 4 (1 unit each), JEAN 1 and 2 (1 unit each), HAWK (6 units), NANCI–P 1 (8 units), NANCI–P 2 (10 units), SKYLAB (12 units), B&B (12 units), HERDEL (4 units), TEEPEE (2 units), ARP (20 units), FERGITO–ALLENDO 1 (20 units), FERGITO–ALLENDO 2 (18 units), TIMBO–

TAVISH (10 units), CHARLIE (6 units), BISBEE (9 units), BINGHAM (8 units), SS 1 to 3 (fractional claims).

OWNER: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: The property is underlain by granite, quartz-eye porphyry, and quartz-feldspar porphyry of the Upper Cretaceous-Early Tertiary Otter intrusions. These intrude Jurassic granodiorites of the Coast intrusions. Older Nicola volcanic rocks (Upper Triassic) occur in the extreme northwest of the property.

WORK DONE: Geological mapping, 1:7500; and geochemical survey, 1 828 soil samples analysed for copper, lead, and zinc, on ARP, Fergito-Allendo 1 and 2, Nanci-P 1 and 2, Timbo-Tavish, Teepee, ED, B&B, Skylab, VM 1-4, Bingham, Bisbee, and Hawk; ground magnetometer survey, 22.8 kilometres, on B&B, Fergito-Allendo 1, VM 1-4, and Skylab; diamond drilling, 1 NQ hole, totalling 65.23 metres; and road building, 9.3 kilometres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 153 (Paco); 1979, p. 159; Assessment Report 1800, 2005, 2389, 2390, 2798, 3282, 4347, 4969, 7547, 7992, 8696, 8926; Mineral Inventory 92H/NE-1, 28, 29-32, 42, 63, 98, 134.

SIWASH (Fig. E-1, NTS 92, No. 185)

LOCATION: Lat. 49° 49′ Long. 120° 23′ (92H/16W)
SIMILKAMEEN M.D. Forty kilometres north-northeast of Princeton, between Siwash Creek and Elusive Creek.

CLAIMS: SIWASH 77 (2 units), SIWASH 1 and 2 (1 unit each), SIWASH 3 and 4 (20 units each).

OWNERS: BRENDA MINES LTD., Box 420, Peachland V0H 1X0 and D. AGUR, Box 930, Summerland.

METAL: Copper.

DESCRIPTION: Andesite and andesite porphyry and minor marble of the Nicola Group (Upper Triassic) are intruded by dioritic Coast intrusive rocks (Jurassic). These rocks are intruded by rhyolite porphyry and monzonite dykes. Chalcopyrite, pyrite, malachite, and magnetite occur as fine-fracture fillings.

WORK DONE: Geological mapping, 1:2500, on Siwash 77 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 159 (Snowstorm); Assessment Reports 5547, 7987; Mineral Inventory 92H/NE-111, 134.

DUCHESS (Fig. E-1, NTS 92, No. 180)

LOCATION: Lat. 49° 52′ Long. 120° 19′ (92H/16W)
SIMILKAMEEN M.D. Twenty-seven kilometres southeast of Aspen Grove between Elkhart Lake and Siwash Lake on the Siwash Creek.

CLAIMS: BEND 99, 100.

OWNER: D. Agur.

OPERATOR: AGUR LOGGING CO. LTD., Box 930, Summerland V0H 1Z0.

METAL: Copper.

DESCRIPTION: Contact zone between Nicola volcanic rocks and Okanagan intrusive rocks liberally mineralized with pyrrhotite and chalcopyrite.

WORK DONE: Two pits, 3 metres by 3 metres, on both claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 161; Exploration in B.C., 1979, p. 159; Assessment Report 4525; Mineral Inventory 92H/NE-137.

SALT 2 (Fig. E-1, NTS 92, No. 188)

LOCATION: Lat. 49° 56′ Long. 120° 28′ (92H/16W)
NICOLA M.D. Approximately 6 kilometres east of Aspen Grove, situated around Pothole Lake.
CLAIM: SALT 2 (16 units).
OWNER: AZORA MINERALS INC., 1318, 510 West Hastings Street, Vancouver.
DESCRIPTION: The claim is underlain by Nicola volcanic rocks in the west contact corner of the Pennask pluton. The regional trend of the rock structures is north to slightly west of north. The major structural feature is a north-south-trending synclinal axis lying a few kilometres west of the claim area.
WORK DONE: Ground electromagnetic and ground magnetometer survey, 10 kilometres each, on Salt 2.
REFERENCE: Assessment Report 8970.

SALT 10 (Fig. E-1, NTS 92, No. 189)

LOCATION: Lat. 49° 57′ Long. 120° 26′ (92H/16W)
NICOLA M.D. Approximately 10.5 kilometres west-northwest from the dam at Paradise Lake and just east of Pothole Lake.
CLAIM: SALT 10 (9 units).
OWNER: AZORA MINERALS INC., 1318, 510 West Hastings Street, Vancouver.
DESCRIPTION: The property is underlain by Nicola volcanic rocks in the west contact area of the Pennask pluton. The original trend of the rock structures is a little west of north.
WORK DONE: Ground magnetometer survey, 24 kilometres; and geochemical survey, 490 soil samples analysed for copper, on Salt 10.
REFERENCE: Assessment Report 8972.

ECHO (Fig. E-1, NTS 92, No. 191)

LOCATION: Lat. 49° 57′ Long. 120° 27′ (92H/16W)
NICOLA M.D. Approximately 12 kilometres northwest of Paradise Lake, 2 kilometres east of Quilchena.
CLAIM: LUCK (18 units).
OWNER: CORE ENERGY CORP., 980, 789 West Pender Street, Vancouver V6C 1H2.
METAL: Copper.
DESCRIPTION: The Luck claims are underlain mainly by biotite and hornblende-rich granodiorite and quartz monzonite of the Jurassic Pennask batholith.
WORK DONE: Ground electromagnetic survey, 4.8 kilometres, on Luck.
REFERENCES: Assessment Report 9194; Mineral Inventory 92H/NE-59.

MALACHITE, CHALCOCITE (Fig. E-1, NTS 92, No. 181)

LOCATION: Lat. 49° 57′ Long. 120° 29′ (92H/16W)
NICOLA M.D. Ten kilometres east of Aspen Grove, 2 kilometres southwest of Tommy Lake.

CLAIM: SALT (20 units).

OWNER: OMENICA RESOURCES LTD., 901, 1199 West Pender Street, Vancouver V6E 2R1.

METALS: Copper, iron.

DESCRIPTION: The area is underlain by Nicola volcanic rocks (Upper Triassic) in the west contact area of the Pennask pluton (Jurassic).

WORK DONE: Ground electromagnetic and ground magnetometer survey, 35.3 kilometres each, on Salt.

REFERENCES: Assessment Reports 449, 9078; Mineral Inventory 92H/NE-2, 46.

LADY (Fig. E-1, NTS 92, No. 192)

LOCATION: Lat. 49° 58′ Long. 120° 27′ (92H/16W)
NICOLA M.D. Approximately 13 kilometres northwest of Elkhart Lake, 3 kilometres northeast of Quilchena.

CLAIM: LADY (20 units).

OWNER: KASLE ENERGY CORP., 980, 789 West Pender Street, Vancouver.

DESCRIPTION: The claim group is underlain by felsic plutonic rocks of the Pennask batholith which is mainly biotite and hornblende-rich granodiorite and quartz monzonite.

WORK DONE: Ground electromagnetic survey, 4.8 kilometres, on Lady.

REFERENCE: Assessment Report 9195.

SOL (Fig. E-1, NTS 92, No. 184)

LOCATION: Lat. 49° 58′ Long. 120° 29′ (92H/16W)
NICOLA M.D. The property is located about 11 kilometres east of Aspen Grove.

CLAIM: SOL (16 units).

OWNER: ABATON RESOURCES LTD., 5316 Fleming Street, Vancouver.

METAL: (Copper).

DESCRIPTION: Volcanic flow and fragmental rocks of the Nicola Group (Upper Triassic) are intruded by granodiorite and monzonite of the Pennask Complex (Jurassic). The structural trend is northerly and synclinal. Pyrite, minor chalcopyrite, magnetite, chalcocite, and malachite occur in volcanic rocks altered to skarn.

WORK DONE: Trenching, 4 trenches, 123 metres; and ground electromagnetic survey and ground magnetometer survey, 29.6 kilometres each, on Sol.

REFERENCE: Assessment Report 8453.

SIMON (Fig. E-1, NTS 92, No. 179)

LOCATION: Lat. 49° 50′ Long. 119° 50′ (92H/16E; 82E/13W)
SIMILKAMEEN M.D. Approximately 15 kilometres southeast of the southern tip of Pennask Lake; Peachland Creek runs through the claim area.

CLAIMS: IRON HORSE (20 units), RHYOLITE (12 units), SIMON I (20 units), SIMON II (15 units), SIMON III (20 units), SIMON IV (15 units), SIMON V (20 units), BRUCE IV (15 units), BRUCE V to BRUCE IX (20 units each).
OWNERS: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver and BRICAN RESOURCES LTD., 1620, 701 West Georgia Street, Vancouver.
METALS: Copper, molybdenum.
WORK DONE: Airborne electromagnetic and airborne magnetometer survey, 810 kilometres, covering all claims.
REFERENCES: Assessment Report 9261; Mineral Inventory 82E/NW-25, 49.

DISKO (Fig. E-1, NTS 92, No. 176)

LOCATION: Lat. 49° 45′ Long. 120° 06′ (92H/16E)
SIMILKAMEEN M.D. Fourteen kilometres northeast of Bankeir, 3 kilometres west of Mount Kathleen.
CLAIMS: DISKO 2 (2 units), DISKO 3 (4 units).
OWNER: D. Agur.
OPERATOR: AGUR LOGGING CO. LTD., Box 930, Summerland V0H 1Z0.
DESCRIPTION: Mineralization occurs in a contact zone between Otter and Okanagan intrusive rocks, mainly vein structure with some disseminated copper.
WORK DONE: Trenching, 2 trenches, 10 metres by 20 metres; and stripping, on both claims.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 160.

MARG (Fig. E-1, NTS 82, No. 391)

LOCATION: Lat. 49° 46′ Long. 120° 00′ (82E/13W; 92H/16E)
Report on this property in Metals section 82E/13W.

MYRTLE, CHUB (Fig. E-1, NTS 92, No. 177)

LOCATION: Lat. 49° 47′ Long. 120° 04′ (92H/16E)
SIMILKAMEEN M.D. Approximately 2.5 kilometres directly south from the mouth of Crescent Creek and Crescent Lake.
CLAIMS: CRESCENT (10 units), MT. K (10 units), MOTHER (6 units), FATHER (4 units).
OWNER: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.
METAL: (Molybdenum).
DESCRIPTION: The claims are wholly underlain by granite except for two quartz-eye porphyry outcrops and small quartz-sericite occurrences in the central area. Parallel to its jointing the granite is cut by quartz-sericite veins and narrow aplite and quartz-eye porphyry dykes. Several aplite dykes carry minor specular hematite, pyrite, and occasional molybdenite. Zones of argillite and phyllic alteration occur in the granite.
WORK DONE: Geological mapping, 1:7500; and geochemical survey, 735 soil samples analysed for copper, molybdenum, lead, and silver, on all claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 274; Assessment Reports 1180, 9123; Mineral Inventory 92H/NE-51.

FORK (Fig. E-1, NTS 92, No. 187)

LOCATION: Lat. 49° 47' Long. 120° 08' (92H/16E)
SIMILKAMEEN M.D. Approximately 7.5 kilometres north-northeast of the Canadian Pacific Railway stop of Osprey Lake at the junction of both Trout Creek and Spring Creek.
CLAIMS: FORK 1, 2, 6, 8, 9, 10, and 11.
OWNER: D. Agur.
OPERATOR: AGUR LOGGING CO. LTD., Box 930, Summerland V0H 1Z0.
DESCRIPTION: Pyrite with minor copper, lead, and zinc.
WORK DONE: Trenching, 2 trenches, 400 metres, on Fork 1 and 9; road building, 2 kilometres, on Fork 6, 9-11.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 160.

MARN (Fig. E-1, NTS 92, No. 178)

LOCATION: Lat. 49° 55' Long. 120° 02' (92H/16E)
NICOLA and OSOYOOS M.D. Approximately 10.2 kilometres east-southeast of the mouth of Pennask Creek and Pennask Lake; the Nicola River flows along the northern part of the property.
CLAIMS: MARN 7 (12 units), MARN 8 (15 units), MARN 9 (20 units), MARN 10 (20 units), MARN 11 (8 units).
OWNER: BRENDA MINES LTD., Box 420, Peachland V0H 1X0.
METALS: Molybdenum, copper.
DESCRIPTION: The property is predominantly underlain by Pennask granodiorite to the east and by argillite and andesite units (Nicola Group) to the west. Proximal to the contact are several 1 to 2-centimetre quartz veins, widely spaced, hosting pyrite and trace molybdenite.
WORK DONE: Geological mapping, 1:7500; linecutting, 39 kilometres; and geochemical survey, 892 soil samples analysed for copper, molybdenum, lead, and zinc.
REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1966, p. 179; 1967, p. 183; Assessment Reports 875, 9167; Mineral Inventory 92H/NE-43, 53, 173.

ASHCROFT 92I

MIN (Fig. E-1, NTS 92, No. 193)

LOCATION: Lat. 50° 01' Long. 120° 21' (92I/1W)
NICOLA M.D. Approximately 32 kilometres east-southeast from Merritt, with Wasley Creek flowing through the property.
CLAIMS: MIN (9 units), MIN (6 units).
OWNER: DAKOTA ENERGY CORP., 403, 750 West Pender Street, Vancouver V6C 2T7.
DESCRIPTION: The claims are underlain by grey to pink granodiorite to quartz diorite of the Pennask batholith. Fine fractures spaced centimetres apart occur in grey quartz diorite and carry quartz veinlets.
WORK DONE: 1979 – geochemical survey, 854 soil samples analysed for copper and molybdenum, covering Min; 1980 – induced polarization survey, 13 kilometres; linecutting, 13 kilometres.
REFERENCES: Assessment Reports 8712, 8717.

QUILCHENA (Fig. E-1, NTS 92, No. 194)

LOCATION: Lat. 50° 08′ Long. 120° 30′ (92I/1W, 2E)
NICOLA M.D. Two kilometres southeast of the community of Quilchena, located on the south shore of Nicola Lake.

CLAIMS: FRINDSBURY (Lot 3837), QUILCHENA (Lot 4790), INGERSOLL (Lot 3835), LAST POST (Lot 3838), TETE ROUGE (Lot 4792), ENSIGN (Lot 3836), CAMPERDOWN (Lot 4789), INEZ 1 to 2 (2 units), MM 1 to 3 (totalling 51 units).

OWNER: Impad Holdings Ltd.

OPERATOR: FLAIR RESOURCES LTD., 402, 602 West Hastings Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: Reddish andesites, basalts, tuffs, and breccias are cut by lighter coloured dykes. Quartz and carbonate veins controlled by a northwesterly trending fracture system contain locally significant amounts of pyrite, chalcopyrite, gold, silver, bornite, malachite, azurite, molybdenite, and chalcocite.

WORK DONE: Percussion drilling, 9 holes totalling 555 metres, on Ensign and Ingersoll.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 169; Assessment Report 8074; Mineral Inventory 92I/SE-48, 137, 138.

PORCUPINE (Fig. E-1, NTS 92, No. 195)

LOCATION: Lat. 50° 02′ Long. 120° 36′ (92I/2E)
NICOLA M.D. Seventeen kilometres southwest of Merritt, covering Corbett Lake, just east east of Highway No. 5.

CLAIMS: CR 1 (20 units), CR 2 (18 units).

OWNER: CAMERON RESOURCES LTD., 1028, 510 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: Drilling intersected Nicola Group rocks consisting of agglomerates, tuffs, andesite flows and dykes, and carbonate fracture fillings.

WORK DONE: 1979 – diamond drilling, 3 BQ holes, totalling 105 metres, on CR 2.

REFERENCES: Mineral Inventory 92I/SE-54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 162; Assessment Reports 967, 1595, 7043, 7876, 7946.

LEADVILLE (COMSTOCK, LUCKY, TODD) (Fig. E-1, NTS 92, No. 210)

LOCATION: Lat. 50° 02.5 Long. 120° 44′ (92I/2)
NICOLA M.D. Approximately 9.5 kilometres southeast of Merritt.

CLAIMS: TWO BY FOUR (8 units), TWO BY THREE (6 units), SHORT STUD (4 units), TWO (2 units), BY (2 units), FOUR (4 units).

OWNERS: K. W. Livingstone and W. A. Howell.

OPERATOR: CHEVRON STANDARD LTD., 901, 355 Burrard Street, Vancouver.

METALS: Copper, lead, zinc, barite.

DESCRIPTION: The claims are underlain by intermediate to acidic tuffs, flows, and breccias of the Nicola Group. A volcanogenic exhalative massive sulphide environment has been identified.

WORK DONE: Geological mapping, 1:5000; geochemical survey, 217 soil samples analysed for copper, lead, zinc, and barite, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C. 1977, p. E139; 1979, pp. 163, 164; Assessment Reports 1735, 2757, 3192, 3455, 3456, 3711, 3791, 5185, 5228, 6248, 7568, 9018; Mineral Inventory 92I/SE-52, 53.

TP (Fig. E-1, NTS 92, No. 204)

LOCATION: Lat. 50° 03′ Long. 120° 34.5′ (92I/2E)
NICOLA M.D. Approximately 18 kilometres southeast of the city of Nicola, 2.2 kilometres northeast of Corbett Lake and 15.5 kilometres south of Nicola Lake.

CLAIMS: TP 1(15 units), TP 2 (20 units), TP 3 (20 units).

OWNER: SUTHERLAND RESOURCES LTD., 1029, 510 West Hastings Street, Vancouver.

DESCRIPTION: The claims are underlain by Triassic Nicola volcanic flows, tuffs, and minor sedimentary rocks. The andesitic to basaltic flows are generally thin-bedded, fractured and brecciated near the top, with considerable calcite. The predominant bedding attitude is north 30 degrees east, 35 degrees southeast. No mineralized zones are known.

WORK DONE: Linecutting, 37.5 kilometres; ground electromagnetic survey, 18 kilometres, covering TP 1.

REFERENCE: Assessment Report 8765.

RB 4 (Fig. E-1, NTS 92, No. 208)

LOCATION: Lat. 50° 04′ Long. 120° 36.5′ (92I/2E)
NICOLA M.D. Approximately 12 kilometres southwest of Quilchena with Lundbom Lake lying 2.5 kilometres north of the property.

CLAIM: RB 4 (20 units).

OWNER: CELESTE RESOURCES LTD., 1028, 510 West Pender Street, Vancouver.

DESCRIPTION: The RB 4 claim is underlain mainly by rocks of the Lower Cretaceous Kingsvale Group. Nicola Group rocks are mapped in the northeast sector of the claim and Jurassic-Cretaceous chert pebble and cobble conglomerate occur in the southeast corner.

WORK DONE: Ground electromagnetic survey, 25 kilometres; linecutting, 50 kilometres, covering RB 4.

REFERENCE: Assessment Report 9160.

RB (Fig. E-1, NTS 92, No. 199)

LOCATION: Lat. 50° 04′ Long. 120° 39′ (92I/2E)
NICOLA M.D. Thirteen kilometres southeast of Merritt, just south of Marquart Lake.

CLAIM: RB 2 (20 units).

OWNER: BRIGADE RESOURCES LTD., 1029, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: Andesite, tuffs, basalts, and red cobble conglomerate of the Kingsvale Group (Lower Cretaceous) are in apparent fault-contact to the west with green andesite and limestone of the Nicola Group (Triassic).

WORK DONE: Ground electromagnetic survey, 18 kilometres, covering RB 2.

REFERENCE: Assessment Report 8625.

RB 5 (Fig. E-1, NTS 92, No. 209)

LOCATION: Lat. 50° 05' Long. 120° 36' (92I/2E)
NICOLA M.D. Approximately 10 kilometres southwest of Quilchena with Lundbom Lake lying in the central northern part of the claim.
CLAIM: RB 5 (20 units).
OWNER: Cheryl Rolston.
OPERATOR: DEVON INDUSTRIES INC., 1015, 470 Granville Street, Vancouver.
DESCRIPTION: The claim is underlain by Upper Triassic Nicola volcanic and sedimentary rocks and chert, and by rocks of the Lower Cretaceous Kingsvale Group. Strikes are generally northerly.
WORK DONE: Prospecting; geological mapping, 1:5000; ground electromagnetic survey, 25 kilometres; and linecutting, 50 kilometres, covering RB 5.
REFERENCE: Assessment Report 9161.

RALPH (Fig. E-1, NTS 92, No. 196)

LOCATION: Lat. 50° 05' Long. 120° 40' (92I/2E)
NICOLA M.D. Situated 7.5 kilometres south of Nicola, on Hamilton Creek.
CLAIMS: JAN 1 to 4 (4 units).
OWNER: SCHEER ENERGY DEVELOPMENT CORP., 808, 409 Granville Street, Vancouver.
METAL: Copper.
DESCRIPTION: Chalcopyrite, bornite, and malachite occur in altered volcanic rocks of andesite and rhyolite composition.
WORK DONE: Diamond drilling, 3 BQ holes totalling 457.5 metres, on Jan 3 and 4.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 90; Assessment Reports 356, 7861; Mineral Inventory 92I/SE-122.

VIC (Fig. E-1, NTS 92, No. 198)

LOCATION: Lat. 50° 07' Long. 120° 32' (92I/2E)
NICOLA M.D. On the south side of Nicola Lake approximately 3 kilometres southwest of the community of Quilchena.
CLAIM: VIC (20 units).
OWNER: KUM RESOURCES LTD., 940 West King Edward Avenue, Vancouver V5Z 2E2.
METALS: (Copper, molybdenum).
DESCRIPTION: Andesitic volcanic flow rocks and bedded tuffs and limestone of the Nicola Group are cut by at least one dioritic intrusive. A number of altered porphyritic dykes contain sparse copper and molybdenite minerals.
WORK DONE: Geological mapping, 1:5000; geochemical survey, 142 soil samples analysed for copper and molybdenum; ground magnetometer survey, 14 kilometres, covering Vic.
REFERENCE: Assessment Report 8214.

AL, NICOLA LAKE (Fig. E-1, NTS 92, No. 202)

LOCATION: Lat. 50° 07' Long. 120° 33' (92I/2E)
NICOLA M.D. Approximately 9.5 kilometres southeast of Nicola. The group lies 2 kilometres south of Nicola Lake and 7 kilometres southwest of Quilchena townsite.

(92I/2E)

CLAIMS: PADAY 1 (18 units), PADAY 2 (9 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: Copper, iron.
DESCRIPTION: The claims are underlain by north-south-striking, west-dipping monocline of Triassic Nicola Group metavolcanic and metasedimentary rocks. Intrusive diorite stocks on the east and west sides are interpreted to represent subvolcanic equivalent of Nicola andesite flows and pyroclastic rocks.
WORK DONE: Ground magnetometer survey, 20 kilometres; geochemical survey, 848 soil samples analysed for copper; geological mapping, 1:5840, covering both claims.
REFERENCES: Assessment Report 8494; Mineral Inventory 92I/SE-120, 201.

NICOLA (Fig. E-1, NTS 92, No. 201)

LOCATION: Lat. 50° 07′ Long. 120° 35′ (92I/2E)
NICOLA M.D. Seven kilometres southwest of Quilchena.
CLAIM: NICOLA 1 (9 units).
OWNER: LODESTAR ENERGY INC., 535, 470 Granville Street, Vancouver V6C 1V7.
WORK DONE: Airborne electromagnetic survey and airborne magnetometer survey, 80 kilometres, covering Nicola 1.
REFERENCE: Assessment Report 8506.

BEN (Fig. E-1, NTS 92, No. 197)

LOCATION: Lat. 50° 07′ Long. 120° 41′ (92I/2E)
NICOLA M.D. Four kilometres south of Nicola (11 kilometres east of Merritt) covering part of Hamilton Creek at southern portion of the claim block.
CLAIM: BEN (20 units).
OWNER: BLUE DIAMOND ENERGY RESOURCES INC., 809, 409 Granville Street, Vancouver V6C 1T2.
METALS: Copper, silver.
DESCRIPTION: The claim is underlain by andesitic and basaltic flow rocks interbedded with pyroclastic breccias and fine-grained tuffs and subordinate sediments of the Nicola Group. Tertiary sediments and coal are in fault contact with the Nicola and may underlie the western part of the claim. Skarn with chalcopyrite, bornite, limonite, and hematite occurs at limestone contacts.
WORK DONE: 1979 – airborne magnetometer survey, airborne electromagnetic survey, airborne radiometric survey, 72.5 kilometres; 1980 – airborne electromagnetic survey, 5 square kilometres, ground electromagnetic survey, ground magnetometer survey, 17.5 kilometres; geological mapping, 1:10 000, covering Ben.
REFERENCES: Assessment Reports 7938, 9009; Mineral Inventory 92I/SE-180.

NICOLA 2 (Fig. E-1, NTS 92, No. 200)

LOCATION: Lat. 50° 07.5′ Long. 120° 40′ (92I/2E)
NICOLA M.D. Five kilometres south of Nicola.
CLAIMS: NICOLA 2 (16 units), NICOLA 3 (12 units).
OWNER: EXPER INVESTMENTS INC., 535, 470 Granville Street, Vancouver V6C 1V7.

WORK DONE: Airborne magnetometer and electromagnetic surveys, 107 kilometres each, covering entire property.
REFERENCE: Assessment Report 8508.

MOUSE (Fig. E-1, NTS 92, No. 203)

LOCATION: Lat. 50° 08' Long. 120° 35' (92I/2E)
NICOLA M.D. Sixteen kilometres east of Merritt, approximately 2.5 kilometres south of Nicola Lake near the headwaters of Hamilton Creek.
CLAIMS: MICK 1 to 8.
OWNER: AMERICAN ENERGY CORP., 400, 890 West Pender Street, Vancouver.
METALS: Lead, copper.
DESCRIPTION: The claims are underlain by rocks of the Nicola Group in contact with an intrusive stock. Blebs of tetrahedrite, galena, and chalcopyrite occur in quartz veins.
WORK DONE: Geochemical survey, 419 soil samples analysed for lead, zinc, copper, and silver, covering Mick.
REFERENCES: Assessment Report 8262; Mineral Inventory 92I/SE-47.

MAR (Fig. E-1, NTS 92, No. 207)

LOCATION: Lat. 50° 08' Long. 120° 41' (92I/2E)
NICOLA M.D. Approximately 3 kilometres directly south of Nicola.
CLAIM: MAR (20 units).
OWNER: COMANCHE PETROLEUMS INC., 808, 409 Granville Street, Vancouver V6C 1T2.
DESCRIPTION: The property is underlain by Triassic Nicola Group dacite, andesite, and basalt flow rocks interbedded with pyroclastic breccias and tuffs. Subordinate sandstone, siltstone, argillite, and limestone are interbedded with the volcanic rocks. Pyrite with calcite and epidote occurs in tuff breccia and in limy tuff.
WORK DONE: Geological mapping, 1:10 000; ground electromagnetic survey, 10.4 kilometres, ground magnetometer survey, 10.3 kilometres, covering Mar.
REFERENCE: Assessment Report 9010.

ANACONDA (Fig. E-1, NTS 92, No. 213)

LOCATION: Lat. 50° 06' Long. 120° 49' (92I/2W)
NICOLA M.D. Two kilometres west of Merritt, on the south bank of the Nicola River.
CLAIM: CATHY (12 units).
OWNER: HARLIN RESOURCES LTD., 1015, 839 West Hastings Street, Vancouver.
METALS: Iron, copper.
DESCRIPTION: The property is underlain by andesitic with minor basaltic Nicola flows intruded by plutonic rocks possibly related to the Iron Mask Batholith. Minor chalcopyrite and specularite occur in quartz and calcite veins.
WORK DONE: Geochemical survey, 67 soil samples; linecutting 6.7 kilometres, on Cathy.
REFERENCES: Assessment Report 9088; Mineral Inventory 92I/SE-50.

CHASE (Fig. E-1, NTS 92, No. 211)

LOCATION:	Lat. 50° 09' Long. 120° 46' (92I/2W) NICOLA M.D. Five kilometres north-northeast of Merritt at the headwaters of Jesse Creek.
CLAIMS:	STAGECOACH (6 units), PUMPKIN (9 units).
OWNER:	K. W. Livingstone.
OPERATOR:	NORANDA EXPLORATION CO., LTD., 201, 156 Victoria Street, Kamloops.
METALS:	Copper, iron.
DESCRIPTION:	The area is underlain by limestone and calcareous sedimentary rocks with minor green andesite and greywacke near a quartz diorite intrusive. Chalcopyrite and specularite are reported.
WORK DONE:	Linecutting, 7.25 kilometres; and ground electromagnetic and ground magnetometer surveys, 7.25 kilometres each, on both claims.
REFERENCES:	Mineral Inventory 92I/SE-45; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 90; Assessment Reports 6132, 8728.

JANE (Fig. E-1, NTS 92, No. 212)

LOCATION:	Lat. 50° 05.5' Long. 121° 49' (92I/2W) NICOLA M.D. Approximately 3 kilometres south-southwest of Merritt.
CLAIM:	JANE (12 units).
OWNER:	HAMBRO RESOURCES INC., 511, 850 West Hastings Street, Vancouver.
DESCRIPTION:	Andesitic and minor basaltic flow rocks of the Nicola Group are intruded by granitic rocks.
WORK DONE:	Geochemical survey, 147 soil samples analysed for copper; linecutting, 14.8 kilometres, covering Jane.
REFERENCE:	Assessment Report 9089.

COPPER CANYON (Fig. E-1, NTS 92, No. 214)

LOCATION:	Lat. 50° 11' Long. 121° 13' (92I/3E) NICOLA M.D. Approximately 26 kilometres east-southeast of Lytton, on the east slope of Mimenuh Mountain at the head of the north fork of Nuaitch Creek.
CLAIM:	DUKE 1 (9 units).
OWNER:	NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.
METALS:	Copper, iron.
DESCRIPTION:	Mafic amygdaloidal volcanic rocks of the Kingsvale Group are intruded by feldspar porphyry rocks. Minor chalcopyrite, pyrite, and magnetite occur in banded quartz veins in the porphyry.
WORK DONE:	Geological mapping, 1:5000; linecutting, 14.5 kilometres; ground magnetometer and ground electromagnetic surveys, 14.5 kilometres; and geochemical surveys, 303 soil and 4 rock samples analysed for molybdenum, copper, silver, lead, and zinc.
REFERENCES:	Mineral Inventory 92I/SW-76; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, p. 273; Assessment Reports 2122, 2123, 8152.

LYTTON GOLD (Fig. E-1, NTS 92, No. 216)

LOCATION: Lat. 50° 13′ Long. 121° 44′ (92I/4)
KAMLOOPS M.D. Approximately 12 kilometres west of Lytton straddling Stryen Creek.
CLAIMS: DJ 1 to 10, GOLD HILL (1 unit), ULTRA I (18 units), ULTRA II (18 units), ULTRA III (6 units), ULTRA IV (12 units), ULTRA V (12 units).
OWNERS: J. M. Ashton, R. E. Hurley, and J. D. Graham.
OPERATOR: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.
METAL: Gold.
DESCRIPTION: Auriferous quartz veins are found in hangingwall of a shear zone dipping 45 degrees north and cutting Coast Range granodiorite and a gneissic to schistose roof pendant of probably Triassic sedimentary and volcanic rocks. The shear zone is mapped for 3 000 metres. To the south and east the Triassic units contain hornblende diorite and serpentinized ultrabasic rocks and gold prospects.
WORK DONE: Petrography; and geochemical survey, 45 rock samples analysed for gold and silver, on Gold Hill 1, DJ 7 and 8, and Ultra III and V.
REFERENCES: Mineral Inventory 92I/SW-49; *Geol. Surv., Canada*, Mem. 262, p. 105; Assessment Report 8758.

MARISOL (Fig. E-1, NTS 92, No. 215)

LOCATION: Lat. 50° 04.5′ Long. 121° 39.5′ (92I/4E)
NEW WESTMINSTER M.D. Approximately 21 kilometres southwest of Lytton, Pyramid Mountain lying 4.5 kilometres northwest of claim group.
CLAIM: MARISOL (20 units).
OWNER: D. CREMONESE, 2175 East 37th Avenue, Vancouver.
DESCRIPTION: Northwest-trending serpentine separates argillites on its southwest contact from phyllites on the northeast. Quartz veins, unmineralized, occur in the phyllites and appear to be localized by a talcose shear zone. Twelve veins, trending north 15 degrees west, were seen.
WORK DONE: Geochemical survey, 6 soil and 2 rock samples analysed for gold.
REFERENCE: Assessment Report 8606.

LAURIE (Fig. E-1, NTS 92, No. 217)

LOCATION: Lat. 50° 22.5′ Long. 121° 39.5′ (92I/5E)
KAMLOOPS M.D. Located 17.5 kilometres north-northwest of Lytton, on the Fraser River.
CLAIM: LAURIE (9 units).
OWNER: TREASURE VALLEY EXPLORATION LTD., 834, 470 Granville Street, Vancouver.
METALS: (Copper, zinc, lead, antimony, molybdenum, titanium).
DESCRIPTION: The claim is underlain by Cache Creek Group greenstone and schist (Permian and earlier), schist and gneiss (Triassic and earlier), Jackass Mountain Group greywacke, argillite and conglomerate (Cretaceous), and quartz diorite of the Mount Lytton batholith. Minor copper, zinc, lead, antimony, molybdenum, and titanium mineralization occurs in easterly dipp[illegible]hear zones.

WORK DONE: Geological mapping, 1:12 000; geochemical survey, 166 soil samples analysed for copper and zinc; ground electromagnetic survey, ground magnetometer survey, covering Laurie.
REFERENCE: **Assessment Report 8762.**

RIO, SAN JOSE, ALAMO (Fig. E-1, NTS 92, No. 219)

LOCATION: Lat. 50° 22′ Long. 121° 01′ (921/6E)
KAMLOOPS M.D. Thirteen kilometres west of Clapperton on Skuhost Creek.
CLAIMS: SV 1 to 6, 8 to 10 (total 109 units).
OWNER: NORSEMONT MINING CORP., 409, 1199 West Pender Street, Vancouver V6E 2R1.
METALS: Copper, molybdenum.
DESCRIPTION: The claims are underlain by Highland Valley intrusive rocks, Bethsaida and Bethlehem types. Deep glacial cover in places makes exploration difficult.
WORK DONE: Trenching, 1 trench, 300 metres; and percussion drilling, 300 metres, on SV 5.
REFERENCES: Mineral Inventory 921/SW-8, 20, 23, 24, 33, 43, 67; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 143; 1979, p. 165; Assessment Reports 550, 1081, 1828, 2327, 3016, 3193, 3728, 4328, 6571, 7836.

KAREN (Fig. E-1, NTS 92, No. 224)

LOCATION: Lat. 50° 18′ Long. 121° 27′ (921/6W)
KAMLOOPS M.D. Approximately 15.5 kilometres southwest of Spences Bridge; the northeast tip of claims lying 4.5 kilometres west of the junction of Thompson River and Sackum Creek.
CLAIMS: KAREN 1 to 8.
OWNER: TRACER HOLDINGS LTD., 501, 595 Howe Street, Vancouver V6C 2T5.
DESCRIPTION: The property lies on the eastern margin of the Coast Range intrusive rocks, represented here by the Mount Lytton batholith.
WORK DONE: Geochemical survey, 39 soil samples analysed for copper, on Karen 3-8.
REFERENCE: Assessment Report 8771.

LORNEX (BEAR) (Fig. E-1, NTS 92, No. 222)

LOCATION: Lat. 50° 26′ Long. 121° 04′ (921/6E)
KAMLOOPS M.D. Approximately 18 kilometres northeast of the townsite of Clapperton, lying 4 kilometres north of Pimainus Lakes.
CLAIMS: CANA 9 (1 unit), BEAR 7 (8 units), BEAR 13 (8 units), BEAR 15 (3 units), BEAR 16 (6 units), BEAR 18 (9 units), ROYAL 12 to 14, 16, 19 to 21, 23, 25, 26, 28, 30, 31, 33 to 40.
OWNER: LORNEX MINING CORP. LTD., 510, 580 Granville Street, Vancouver V6C 1W8.
METALS: Copper, molybdenum.
WORK DONE: Road building, 5.4 kilometres, on Royal and Bear; percussion drilling, 22 holes, totalling 2 487.2 metres, on Cana 9, Royal 6, 16, 19, 28, 33-37, 39, 40, Bear 13, 15, 18.

REFERENCES: Mineral Inventory 92I/SW-69; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 143; Assessment Reports 381, 848A, 848B, 854, 2157, 2800, 2812, 2814, 5715, 5975, 9071.

LORNEX–DAWN (Fig. E-1, NTS 92, No. 223)

LOCATION: Lat. 50° 27′ Long. 121° 01′ (92I/6E)
KAMLOOPS/NICOLA M.D. Twenty-one kilometres east-northeast of Spences Bridge, 4 kilometres south of the Highland Valley.

CLAIMS: DAWN 1 to 3, DAWN 5, DAWN 7, DAWN 8, BEAR 7, BEAR 14 to 18, JDG Fraction.

OWNER: LORNEX MINING CORP. LTD., Box 1500, Logan Lake V0K 1W0.

METALS: Copper, molybdenum.

DESCRIPTION: Drilling intersected Skeena quartz diorite and Bethsaida granodiorite. Sulphide minerals encountered were chalcopyrite, pyrite, and molybdenite.

WORK DONE: Road building, 183 metres; and diamond drilling, NQ holes, totalling 148.54 metres, on JDG Fraction; percussion drilling, 20 holes, totalling 2 127.5 metres, on Dawn 1, 3-5, 7 and Bear 7, 14-18.

REFERENCES: Mineral Inventory 92I/SW-45; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 166; Assessment Reports 6061, 6293, 7491, 8829.

ISLAND, PIM, JAC (Fig. E-1, NTS 92, No. 220)

LOCATION: Lat. 50° 26′ Long. 121° 09′ (92I/6E)
KAMLOOPS M.D. Fourteen kilometres east of Spences Bridge, running north-northwest of Spaist Mountain.

CLAIMS: ISLAND 1 to 18 (324 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, molybdenum.

DESCRIPTION: The property is situated in the Triassic Guichon batholith and covers parts of the Bethsaida, Skeena, Bethlehem, Highland Valley, and Border phases. The property is being investigated for porphyry-type copper-molybdenum deposits.

WORK DONE: Linecutting, 153.5 kilometres; and induced polarization and ground magnetometer surveys, 65 kilometres, all on Island 1-4, 6-10, 12.

REFERENCES: Mineral Inventory 92I/SW-3, 4, 13, 15-17, 25, 41, 44; *Minister of Mines, B.C.*, Ann. Rept. 1968, p. 192; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 169; Assessment Report 9217.

OK (ALWIN) (Fig. E-1, NTS 92, No. 221)

LOCATION: Lat. 50° 29′ Long. 121° 06′ (92I/6E)
KAMLOOPS M.D. Nineteen kilometres northeast of Spences Bridge, 2 kilometres north of Calling Lake.

CLAIMS: ALWIN 1 FR., EZZ 13, 14, 21 to 24, CALL 1 to 4, PAL 1 and 2, PAL 1 and 3 Fractions, OK 5 to 8, APEX (Lot 3645), OK (Lot 3644), IOU (Lot 3643), OK 10 Fraction, FB 1 Fraction.

OWNER: DeKALB MINING CORP., Box 699, Ashcroft V0K 1A0.

METALS: Copper, silver, gold.

DESCRIPTION: DeKalb's Highland Valley mine is a small high-grade vein deposit of about one million tonnes. Vertical mineralized alteration zones lie within homogeneous Bethsaida granodiorite of the Guichon Creek batholith. The economic ore is localized. Perpendicular to the footwall and hangingwall is a 20 to 30-foot (6 to 9-metre) 50-degree east-dipping grey feldspar porphyry dyke. Thus far the deposit is defined as a lens about 500 feet (152 metres) by 1,500 feet (457 metres) by 800 feet (244 metres) deep. The ore zone is still open to depth. Both in plan and section the ore zones pinch, swell, and digitate. The economic minerals chalcopyrite, bornite, and rare chalcocite are seen as disseminated specks and clots. Massive veins and veinlets of ore are occasionally present. Small amounts of gold and silver are caught up within the sulphides. Gangue minerals in the ore zones are sericite, chlorite, quartz, pyrite, specularite, tetrahedrite-tennantite, and calcite.

WORK DONE: Geological mapping, 1:240; and drifting and raising, 1 700 metres, on IOU.

REFERENCES: Mineral Inventory 92I/SW-10; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 155-157; Exploration in B.C., 1979, p. 166; Assessment Reports 380, 381, 1028.

VALLEY COPPER (BETHSAIDA) (Fig. E-1, NTS 92, No. 218)

LOCATION: Lat. 50° 29' Long. 121° 03' (92I/6E)
KAMLOOPS M.D. Thirty-two kilometres east-northeast of Spences Bridge in the Highland Valley area.

CLAIMS: Three hundred and eighty-four claims comprising 428 units and seven Crown-granted mineral claims, including LTR, HH, AL, DF, GRR, and MD.

OWNER: Valley Copper Mines Ltd.

OPERATOR: COMINCO LTD., 200 Granville Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Host rocks are porphyritic Bethsaida phase granodiorites. Localization of deposit is related to the formation of a zone of intense fracturing near the intersection of the north-trending Lornex fault and the east-trending Highland Valley fault. Bornite, chalcopyrite, digenite, covellite, pyrite, pyrrhotite, molybdenite, sphalerite, galena, and gudmundite are associated with areas of abundant vein sericitic alteration and quartz veinlets.

WORK DONE: General work preparing for production.

REFERENCES: Mineral Inventory 92I/SW-12; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 354.

PHELP (Fig. E-1, NTS 92, No. 232)

LOCATION: Lat. 50° 21' Long. 120° 45' (92I/7)
NICOLA M.D. Approximately 8.5 kilometres northwest of Swakum Mountain, overlying all of Phelps Creek, with the centre of the claims at the junction of Phelps and Rey Creeks.

CLAIMS: PHELP 200 , PHELP 400 (20 units each).

OWNER: TELSTAR PETROLEUMS AND MINERALS INC., 602, 626 West Pender Street, Vancouver.

DESCRIPTION: The claims are underlain by Triassic Nicola tuffs and flows.

WORK DONE: Ground electromagnetic survey, 25 kilometres and ground magnetometer survey, 13 kilometres.

REFERENCE: Assessment Report 8603.

SUNSHINE, LO (Fig. E-1, NTS 92, No. 238)

LOCATION: Lat. 50° 18.5′ Long. 120° 46′ (92I/7W)
NICOLA M.D. Twenty kilometres north of Merritt in the vicinity of Tolman Lake.

CLAIMS: SUNSHINE 1 to 16, PAUL 1 to 4, 5 FR., LO 6, 7.

OWNER: C.D.R. RESOURCES, INC., 900, 1420 Sherbrooke Street West, Montreal, P.Q. H3G 1K5.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: A strong northeasterly striking fault zone cuts through Nicola volcanic rocks. The associated breccia zones are cemented by quartz and calcite containing lead, zinc, copper sulphides, and silver values.

WORK DONE: Diamond drilling, 12 HQ holes, totalling 587 metres, on Sunshine.

REFERENCES: Mineral Inventory 92I/SE-127, 128, 129; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 144; 1978, p. E 161; Assessment Report 8036.

CAPER (Fig. E-1, NTS 92, No. 237)

LOCATION: Lat. 50° 19′ Long. 120° 53′ (92I/7W)
NICOLA M.D. Approximately 17 kilometres southeast of Gnawed Mountain, lying 4 kilometres northwest of the junction of Broom and Guichon Creeks.

CLAIM: CAPER (9 units).

OWNER: HERON RESOURCES LTD., 600, 890 West Pender Street, Vancouver V6C 1J9.

METAL: Copper.

DESCRIPTION: The property is underlain by Guichon and Chataway phases of the Guichon Creek batholith. In zones the granodiorite has been highly altered, brecciated, and sheared. The main showing is part of a major fault system striking 130 degrees, dipping 60 to 70 degrees southwest.

WORK DONE: Geochemical survey, 799 soil samples analysed for copper, silver, and gold.

REFERENCES: Mineral Inventory 94I/SE-21, 22, 194; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1976, p. E 93; 1979, p. 167; Assessments Reports 7450, 8595.

SKU (Fig. E-1, NTS 92, No. 236)

LOCATION: Lat. 50° 19′ Long. 120° 57′ (92I/7W)
KAMLOOPS and NICOLA M.D. Approximately 30.4 kilometres northwest of Merritt, just south of Skuhum Creek and north of Farr Lake.

CLAIMS: SKU 1 and 2 (20 units each), GOOD NEWS (20 units), SKU 4 (6 units).

OWNER: PEARL RESOURCES LTD., c/o 1015, 837 West Hastings Street, Vancouver V6C 1C4.

METAL: Copper.

DESCRIPTION: The area is underlain by rocks of the Bethsaida and Bethlehem phases of the Guichon Creek batholith. Outcrops are scarce. From cuttings the Bethlehem phase has been determined as quartz diorite and tonalite; the Bethsaida as quartz monzonite and granodiorite.

WORK DONE: Percussion drilling, 7 holes, totalling 256 metres and geochemical survey, 62 rock samples analysed for copper and molybdenum, on Sku 1.

REFERENCES: Mineral Inventory 92I/SE-69; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 357; Assessment Reports 2177, 2201, 8616.

VIMY (Fig. E-1, NTS 92, No. 239)

LOCATION: Lat. 50° 20′ Long. 120° 51′ (92I/7W)
NICOLA M.D. Eighteen kilometres south-southwest of Logan Lake on the south side of Gypsum Mountain.

CLAIMS: VIMY 100, VIMY 200, VIMY 300, VIMY 400, VIMY 500, VIMY 600, VIMY 700, VIMY 800, VIMY 900, KING SOL 1 and 2, TYE 1 to 3 (total 152 units).

OWNER: Vimy Mining Inc.

OPERATOR: LAWRENCE MINING CORP. LTD., 506, 625 Howe Street, Vancouver V6C 2T6.

METALS: Copper, (gold, silver).

DESCRIPTION: Porphyry-type orebody in the Guichon batholith.

WORK DONE: Geological mapping, on Vimy 100-900; road building, 2 kilometres, on Vimy 600-900; and trenching, 13 trenches, totalling 575 metres, on Vimy 100, 300, 400, 600, and 900.

REFERENCES: Mineral Inventory 92I/SE-23; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 167; Assessment Report 7494.

ALAMO (Fig. E-1, NTS 92, No. 235)

LOCATION: Lat. 50° 22.5′ Long. 120° 59′ (92I/7W)
KAMLOOPS M.D. Fifteen kilometres southwest of Logan Lake at the southwest end of Roscoe Lake.

CLAIMS: ALAMO 1 and 2 (20 units each).

OWNER: H. H. SHEAR, 930, 625 Howe Street, Vancouver V6C 2T6.

DESCRIPTION: The property is underlain by quartz diorite of the Guichon batholith.

WORK DONE: Linecutting, 18.7 kilometres; and geochemical survey, 133 samples analysed for copper, molybdenum, and silver, on Alamo 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 144; 1979, p. 168; Assessment Reports 6751, 7529.

GUMP, ROD, OLE (Fig. E-1, NTS 92, No. 234)

LOCATION: Lat. 50° 23′ Long. 120° 50′ (92I/7W)
NICOLA M.D. Six kilometres south-southwest of Logan Lake, stretching between Gypsum Mountain and Gump Lake.

CLAIMS: ELF 1, 3 to 8, ANTLER 1 to 7, SCORE 1, LITE 1, 2, MJC 1 to 3 (total 301 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, molybdenum.

DESCRIPTION: The property is situated on the Triassic Guichon batholith and covers parts of the Bethlehem, Highland Valley, and Border phases.

WORK DONE: Linecutting, 172.6 kilometres; induced polarization survey, 65.5 kilometres; and ground magnetometer survey, 65 kilometres, covering Elf 1, 3-5, 7, Antler 1-7, and MJC 1 and 2.

REFERENCES: Mineral Inventory 92I/SE-71, 72, 74, 151, 153; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 94; Assessment Report 8641.

BORNITE RIDGE, JERICHO (Fig. E-1, NTS 92, No. 233)

LOCATION: Lat. 50° 26′ Long. 120° 56′ (92I/7W)
KAMLOOPS M.D. Eight kilometres southwest of Logan Lake, immediately north of Billy Lake.

CLAIMS: JERICHO 1 to 5, 12, 13, 15, MIKEY Fraction, STEVIE Fraction, COLIN Fraction, GAZA 1 and 2.

OWNERS: Gaza Mines Ltd. and New Jericho Development Co.

OPERATOR: HIGHMONT MINING CORP. LTD., 14, 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Copper, (molybdenum).

DESCRIPTION: The Gaza property is underlain by quartz diorites to granodiorites of the Guichon batholith of Jurassic age. The rocks have a medium to coarse equigranular texture. Alteration is found only near mineralized fracture zones. The copper sulphides occur primarily on silicified and sericitized joints and fractures, but also as local disseminations in the adjacent rock. The Jericho property is underlain by diorite and granodiorite. In the southern part of the property later quartz-rich granite (known as Minex granite) is present. Locally this rock type is intruded by quartz veins, pegmatites, and aplite dykes. Potash feldspar alteration accompanies smaller intrusions. Chalcopyrite and minor molybdenite commonly occur as films on widely spaced joints and fractures. Significant mineralization can only be found with faulting which is sericitized and/or chloritized.

WORK DONE: Diamond drilling, 1 NQ hole, totalling 122 metres, rotary drilling, 1 hole, totalling 13.7 metres, and rotary percussion drilling, 2 holes, totalling 13 metres, on Gaza 1; diamond drilling, 4 NQ holes, totalling 382 metres, on Jericho 1-3; rotary drilling, 1 hole, totalling 134 metres, on Jericho 5, 1 hole, totalling 25.9 metres, on Jericho 1, and 1 hole, totalling 16.8 metres, on Jericho 2.

REFERENCES: Mineral Inventory 92I/SE-11, 15, 89, 90, 91; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 161; 1979, p. 168; Assessment Reports 7277, 7756, 8479, 9444.

OLD CORONA (Fig. E-1, NTS 92, No. 230)

LOCATION: Lat. 50° 15.2′ Long. 120° 43.5′ (92I/7E)
NICOLA M.D. Approximately 8.5 kilometres due south of Rey Lake with tributaries from Revelle and Shuta Creeks flowing through the property.

CLAIMS: OLD CORONA 1 and 2 (1 unit each).

OWNER: S. F. KELLY, Box 27, Merritt.

METALS: Lead, zinc, copper.

WORK DONE: Linecutting, 3 kilometres and geochemical survey, 63 soil samples analysed for copper, zinc, and silver, on both claims.

REFERENCES: Mineral Inventory 92I/SE-104; Assessment Report 9430.

THELMA, BERNICE (Fig. E-1, NTS 92, No. 226)

LOCATION: Lat. 50° 16′ Long. 120° 43′ (92I/7E)
NICOLA M.D. Twenty-one kilometres north-northeast of Merritt, on the south slope of Swakum Mountain, west of Dartt Lake.

CLAIMS: THELMA (Lot 4510), OLD EVELYN (Lot 4511), DARTT 1 (20 units), DARTT 2 (10 units), BERNICE (Lot 4502).

OWNER: B. Fraser.
OPERATOR: L. S. TRENHOLME, 6746 Marguerite Street, Vancouver V6P 5E9.
METALS: Gold, silver, copper, lead, zinc.
DESCRIPTION: The property is underlain by andesite, limestone, and conglomerate of the Nicola Group, and post (?) Nicola diatreme.
WORK DONE: Geological mapping, 1:10 000, covering all claims.
REFERENCES: Mineral Inventory 92I/SE-101-103; *Minister of Mines, B.C.*, Ann. Rept., 1958, p. 94; Assessment Reports 196, 1795, 3936, 4223, 4409, 8053.

OLD COMPLEX (Fig. E-1, NTS 92, No. 228)

LOCATION: Lat. 50° 16′ Long. 120° 44.5′ (92I/7E)
NICOLA M.D. Approximately 6 kilometres southeast of Eve Lake.
CLAIMS: OLD COMPLEX 2 and 3 (Lots 4893 and 4894).
OWNER: S. F. KELLY, Box 277, Merritt V0K 2B0.
WORK DONE: Linecutting, 1.8 kilometres and geochemical survey, 42 soil samples taken.
REFERENCE: Assessment Report 9330.

OLD ALAMEADA (Fig. E-1, NTS 92, No. 231)

LOCATION: Lat. 50° 17′ Long. 120° 42′ (92I/7E)
NICOLA M.D. Forty-two kilometres north-northeast of Merritt on Swakum Mountain.
CLAIMS: OLD ALAMEADA 2 to 7 (Lots 4508, 4505, 4504, 4503, 4501, and 4891).
OWNER: G. D'ANGELO, 2246 Sifton Avenue, Kamloops V1S 1A5.
METALS: Copper, lead, zinc, gold, silver, bismuth, tellurium.
WORK DONE: Geochemical survey, 216 soil samples analysed for copper, zinc, and silver, on Old Alameada 2-7.
REFERENCES: Mineral Inventory 92I/SE-96-100; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 180; Assessment Reports 1795, 3636, 4409, 9612.

MAD ARAB (Fig. E-1, NTS 92, No. 227)

LOCATION: Lat. 50° 21.5′ Long. 120° 44′ (92I/7E)
NICOLA M.D. Straddling Rey Creek between Mount Guichon and Guichon Creek.
CLAIMS: GIGANTOR 1 to 8.
OWNER: PEZ RESOURCES LTD., 2020, 1055 West Georgia Street, Vancouver.
METALS: Copper, lead, zinc, silver.
DESCRIPTION: The property covers a showing of mineralized quartz and calcite veins containing values in gold, silver, copper, lead, and zinc. The mineralization occurs in Nicola volcanic rocks of Late Triassic age. The Guichon batholith lies immediately west of the claims.
WORK DONE: Linecutting, 23 kilometres; induced polarization survey, 9 kilometres; ground magnetometer survey, 21 kilometres; and geochemical survey, 295 soil samples analysed for molybdenum, copper, lead, zinc, silver, and arsenic, on all claims.
REFERENCES: Mineral Inventory 92I/SE-67; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 270; Assessment Reports 1213, 1911, 9047, 10017.

PHELP 300 (Fig. E-1, NTS 92, No. 229)

LOCATION: Lat. 50° 22′ Long. 120° 43′ (92I/7E)
NICOLA M.D. Approximately 30 kilometres north-northeast from Merritt, with Phelps Creek flowing through the property.

CLAIM: PHELP 300 (20 units).

OWNER: POTENTIAL MINES LTD., 1807, 1450 West Georgia Street, Vancouver.

DESCRIPTION: The property appears to be underlain by volcanic tuffs and flows of the Nicola Group. Much of the property is overburden covered. There are no known occurrences of mineralization on the property.

WORK DONE: Ground electromagnetic and ground magnetometer survey, 30 kilometres each.

REFERENCE: Assessment Report 9057.

JHC (Fig. E-1, NTS 92, No. 225)

LOCATION: Lat. 50° 26′ Long. 120° 41′ (92I/7E)
KAMLOOPS M.D. Thirty-six kilometres southeast of Kamloops, on the southwest side of Homfray Lake.

CLAIMS: R 3 to R 8.

OWNER: THUNDERBOLT RESOURCES LTD., 509, 850 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: Upper Triassic Nicola volcanic rocks are here subdivided into two sequences: a red volcanic sequence of fine-grained flows having occasional feldspar phenocrysts and lying on the eastward side of its contact with a grey volcanic rock having an aphanitic to fine-grained matrix and feldspar and augite phenocrysts.

WORK DONE: Geochemical survey, 383 soil samples analysed for copper, zinc, and silver.

REFERENCES: Mineral Inventory 92I/SE-147; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 170, 171; Assessment Reports 266, 7268, 8397.

JENNY LONG (Fig. E-1, NTS 92, No. 240)

LOCATION: Lat. 50° 18.5′ Long. 120° 22′ (92I/8W)
NICOLA M.D. Approximately 40 kilometres northeast of Merritt (by road) south of Stump Lake, east of Highway 5.

CLAIMS: DOT (8 units), AZELA (Lot 692), JENNY LONG (Lot 718), PARKVIEW NO. 3 (Lot 5041), BLUEBIRD (Lot 5042), WREN (Lot 5043), CLARA B (Lot 5045), THE GARDEN NO. 1 (Lot 5046), DOROTHY (Lot 5047), BRIAN (Lot 5091), SCOTIA (Lot 5092), THE GARDEN NO. 2 (Lot 5093), THE GARDEN NO. 3 (Lot 5094), THE GARDEN NO. 4 (Lot 5095), THE GARDEN NO. 5 (Lot 5096).

OWNERS: C. F. Graham and G. Packer.

OPERATOR: C. F. GRAHAM, c/o 4882 Delta Street, Delta V4K 2T8.

METALS: Gold, silver, lead, zinc, tungsten, copper.

DESCRIPTION: Greenstone, andesite, basalt, and related tuffs of the Nicola Group (Upper Triassic) are intruded by the Wildhorse Mountain, Douglas Lake, and Central Nicola batholiths. Pyrite, galena, sphalerite, tetrahedrite, chalcopyrite, bornite, scheelite, arsenopyrite, pyrrhotite, and native gold occur in knots and stringers of quartz and carbonate veinlets that occupy north-trending veinlets.

WORK DONE: Diamond drilling, 2 BQ holes, totalling 98.7 metres, on Azela.

REFERENCES: Mineral Inventory 92I/SE-31; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 163, E 164; Assessment Reports 5565, 6348, 6856, 8310.

MARY REYNOLDS (Fig. E-1, NTS 92, No. 241)

LOCATION: Lat. 50° 20' Long. 120° 20' (92I/8W)
NICOLA M.D. Twenty-one kilometres north-northeast of Quilchena, 4 kilometres southeast of Mineral Hill.

CLAIMS: Mineral Leases M-19R comprising MARY REYNOLDS (Lot 674) and GOLD CUP (Lot 675) and M-20K comprising ROBERT DUNSMUIR (Lot 673) plus PV 1 (2 units), PV 2 (16 units).

OWNER: PINE VALLEY EXPLORERS LTD., Box 441, 1925 Second Avenue, Merritt V0K 2B0.

METALS: Gold, silver, lead, zinc, (copper).

DESCRIPTION: Argentiferous galena in quartz veins associated with quartz-carbonate zone in massive augite andesite of the Nicola greenstone series.

WORK DONE: Road building, 250 metres and diamond drilling, 11 BQ holes, totalling 645 metres, on Mineral Lease M-20R.

REFERENCES: Mineral Inventory 92I/SE-115; *Geol. Surv., Canada*, 1948, Mem. 249; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 149; 1978, p. E 164; 1979, p. 171; Assessment Reports 4412, 6165, 6608, 8778.

JET (Fig. E-1, NTS 92, No. 243)

LOCATION: Lat. 50° 20' Long. 120° 25' (92I/8W)
NICOLA M.D. Thirty-seven kilometres northeast of Merritt on the west side of the south end of Stump Lake.

CLAIMS: JET 1 and 2 (2 units).

OWNER: M. SWETZ, 203, 1215 Comox Street, Vancouver.

DESCRIPTION: The property is totally covered by overburden. There is no vegetation.

WORK DONE: Geological mapping, 1:300, on both claims.

REFERENCE: Assessment Report 8464.

CONTACT (Fig. E-1, NTS 92, No. 244)

LOCATION: Lat. 50° 21' Long. 120° 27' (92I/8W)
NICOLA M.D. Thirty-eight kilometres south of Kamloops, 2.5 kilometres west of the south end of Stump Lake.

CLAIM: CONTACT (6 units).

OWNER: M. SWETZ, 203, 1215 Comox Street, Vancouver.

DESCRIPTION: The property is underlain by a contact zone between andesite including mariposite and granitic intrusive rocks. Small blebs of chalcopyrite and malachite occur in quartz veinlets within the mariposite.

WORK DONE: Prospecting.

REFERENCE: Assessment Report 7911.

SACK, SAR (Fig. E-1, NTS 92, No. 247)

LOCATION: Lat. 50° 23′ Long. 120° 27′ (92I/8W)
KAMLOOPS and NICOLA M.D. Five kilometres northwest of Stump Lake (40 kilometres south of Kamloops), covering Frogmoore Creek and part of Deer Creek.
CLAIMS: LANCE 1 to 6, 9, 10 (20 units each), LANCE 8 (10 units), LANCE 11 (12 units).
OWNER: G. White.
OPERATOR: DYNAMIC OIL LTD., Box 35, Oliver V0H 1T0.
METALS: Copper, molybdenum, silver.
DESCRIPTION: The property is underlain by the Jurassic Nicola Lake batholith granite. Locally the batholith encompasses a small area of chlorite schist, quartz-mica schist, and amphibolite. A small alaskite plug is noted.
WORK DONE: Linecutting, 112 kilometres and induced polarization survey, 64 kilometres, on Lance 1-6, 8, 10, 11.
REFERENCES: Mineral Inventory 92I/SE-163, 166; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 191, 192; Assessment Report 8989.

FIR (Fig. E-1, NTS 92, No. 245)

LOCATION: Lat. 50° 24′ Long. 120° 21′ (92I/8W)
NICOLA M.D. Forty-three kilometres northeast of Merritt and 2 kilometres north of Stump Lake, encompassing Kullagh Lake.
CLAIM: FIR (20 units).
OWNER: DEMUS PETRO CORP., 1020, 800 West Pender Street, Vancouver V6C 2V6.
DESCRIPTION: Green, dense andesite boulder conglomerate and dense fine-grained basalt of the Nicola Group (Upper Triassic) contain minor magnetite and malachite in calcite and quartz fracture fillings.
WORK DONE: Geological mapping, 1:50 000 and geochemical survey, 876 soil samples analysed for copper, lead, and silver.
REFERENCE: Assessment Report 8062.

ANDERSON (Fig. E-1, NTS 92, No. 246)

LOCATION: Lat. 50° 24.5′ Long. 120° 24.5′ (92I/8W)
KAMLOOPS M.D. Thirty kilometres south of Kamloops, on Hollis Creek just to the northwest of Stump Lake.
CLAIMS: ANDERSON (12 units), ANDERSON 1 (8 units), ANDERSON 2 (8 units).
OWNER: ESPERANZA EXPLORATIONS LTD., 1027, 470 Granville Street, Vancouver.
DESCRIPTION: Drilling indicated that the property is underlain by biotite-chlorite-sericite schists with interbanded graphitic schists and underlain by cherty argillites (skarn ?). Some pyrite and pyrrhotite were found best developed in the skarn (?).
WORK DONE: Diamond drilling, 1 hole, totalling 108.8 metres, on Anderson.
REFERENCE: Assessment Report 8900.

MOT (Fig. E-1, NTS 92, No. 251)

LOCATION: Lat. 50° 38′ Long. 120° 07′ (92I/9E)
KAMLOOPS M.D. Approximately 8 kilometres northwest of Bestwick.

Barnhart Vale lying on the eastern centre of the claim with Campbell Creek cutting through centre of claim in a north-south direction.

CLAIM: CARLIN 2 (12 units).
OWNER: VANTEX RESOURCES INC., 5, 674 Chilco Street, Vancouver V6G 2P8.
METALS: Molybdenum, copper, silver, gold.
DESCRIPTION: The property is underlain by Cache Creek argillite, chert, greywacke, and minor limestone. All are highly fractured and brecciated, in places veined with fine quartz stringers and segregations.
WORK DONE: 1979 – geological mapping, 1:2000; 1980 – linecutting, 24 kilometres; ground electromagnetic survey, 24 kilometres; and geochemical survey, 450 soil samples analysed for gold, silver, arsenic, and copper.
REFERENCES: Mineral Inventory 92I/NE-128; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 194; Assessment Reports 3616, 4315, 8635, 8739.

DEER (Fig. E-1, NTS 92, No. 249)

LOCATION: Lat. 50° 39′ Long. 120° 13′ (92I/9E)
KAMLOOPS M.D. Thirteen kilometres west-southwest of Kamloops, just east of Rose Hill.
CLAIM: DEER 1 (4 units).
OWNER: C. T. WILKINSON, 34225 Larch Street, Abbotsford V2S 2P7.
DESCRIPTION: Few rock outcrops on the property consist of pyritic sedimentary and granitic intrusive rocks.
WORK DONE: Percussion drilling, 35.73 metres.
REFERENCE: Assessment Report 7942.

RIVERSIDE (GOLDFIELDS) (Fig. E-1, NTS 92, No. 250)

LOCATION: Lat. 50° 41.5′ Long. 120° 06′ (92I/9E)
KAMLOOPS M.D. Seventeen kilometres east of Kamloops and 4 kilometres north of the South Thompson River, just east of the head of McGregor Creek.
CLAIM: MAC (6 units).
OWNER: J. H. Kruzick.
OPERATOR: MIDNAPORE OIL CO. LTD., 4042 – 11th Avenue, Vancouver V6R 2L3.
METALS: Gold, silver.
DESCRIPTION: Gold and silver values occur in pyritic quartz and calcite veins within a wide shear zone. Brecciated host rocks consist of green chert, argillite, and quartzite of the Cache Creek Group (Paleozoic).
WORK DONE: 1979 and 1980 – geological mapping, 1:5000, 1:1200; ground electromagnetic survey, 13 kilometres; and sampling, 11 rock samples taken.
REFERENCES: Mineral Inventory 92I/NE-46; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1976, p. E 97; 1978, p. E 166; 1979, pp. 173, 174; Assessment Reports 6817, 7295, 8026.

SUNNY (Fig. E-1, NTS 92, No. 252)

LOCATION: Lat. 50° 34′ Long. 120° 21′ (92I/9W)
KAMLOOPS M.D. Ten kilometres south of Kamloops covering Edith Lake.
CLAIM: SUNNY (9 units).
OWNER: E. Leimanis.
OPERATOR: JOCELYN RESOURCES LTD., 705, 850 West Hastings Street, Vancouver.

DESCRIPTION: The claim is in the contact zone between Nicola sedimentary and volcanic rocks (Upper Triassic) and the Iron Mask intrusive rocks.
WORK DONE: Prospecting.
REFERENCE: Assessment Report 8028.

KINGPIN (ACE), DEWEY (Fig. E-1, NTS 92, No. 256)

LOCATION: Lat. 50° 35′ Long. 120° 19′ (92I/9W)
KAMLOOPS M.D. Nine kilometres due south of Kamloops and 2 kilometres west of Separation Lake.
CLAIMS: BRY 1 to 10, REG 1 to 14, ACE 1, WILDROSE, BLACK BEAUTY (Lot 1560), ADMIRAL DEWEY (Lot 1561), CYCLONE (Lot 1562).
OWNER: Norcen Energy Resources Ltd.
OPERATOR: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.
METALS: Copper, gold.
DESCRIPTION: Copper mineralization is associated with monzonite (Cherry Creek phase) and diorite (Sugarloaf phase) of the Iron Mask batholith (Triassic) that intrudes and is coeval to the Nicola volcanic rocks.
WORK DONE: Percussion drilling, 13 holes, totalling 1 079 metres, on Ace 1, Reg 1, Black Beauty, Admiral Dewey, and Cyclone.
REFERENCES: Mineral Inventory 92I/NE-19-21; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 174, 175; Assessment Reports 2143, 2144, 6385, 6767, 6803, 6820, 6826, 6860, 8038, 8127.

FARGO (Fig. E-1, NTS 92, No. 257)

LOCATION: Lat. 50° 35′ Long. 120° 22′ (92I/9W)
KAMLOOPS M.D. Nine kilometres southwest of Kamloops between Edith Lake to the southeast and Jacko Lake to the northwest.
CLAIMS: EDITH 100 (15 units), HUMP 100 (6 units), TYLER 1 to 4, SAM 1 Fraction.
OWNER: ARGENTA RESOURCES LTD., 2602, 1055 West Georgia Street, Vancouver.
METALS: Copper, gold, lead.
DESCRIPTION: The property is mainly underlain by volcanic rocks of the Nicola Group (Upper Triassic) and the Iron Mask batholith. Faulting is predominantly northwesterly. Mineralization occurs as chalcopyrite, pyrite, and galena with gold values in quartz-calcite and associated alteration.
WORK DONE: Geological mapping, 1:4000; ground electromagnetic survey, 27 kilometres; and geochemical survey, 915 soil samples analysed for copper, lead, zinc, silver, molybdenum, nickel, cobalt, manganese, and iron, on all claims; induced polarization survey, 3 kilometres, on Edith and Hump.
REFERENCES: Mineral Inventory 92I/NE-51; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 167; Assessment Reports 2821, 8043, 9198.

LAM (Fig. E-1, NTS 92, No. 253)

LOCATION: Lat. 50° 35′ Long. 120° 24.5′ (92I/9W)
KAMLOOPS M.D. Approximately 16 kilometres southwest of the city of Kamloops, lying 3.5 kilometres south of Jacko Lake.
CLAIM: LAM (16 units).
OWNER: RICHPORT RESOURCES LTD., 250, 625 Howe Street, Vancouver V6C 2T6.

DESCRIPTION: The area is underlain by north-south-trending mafic andesite and basalt flows, pyroclastics, volcanic conglomerates, and arenite of the Upper Triassic Nicola Group. Minor sedimentary rocks are intercalated in the volcanics. A northern unit of feldspar porphyry flow has been metamorphosed to an amphibolite schist on the west and to chlorite-sericite schist on the east.

WORK DONE: 1979 – linecutting, ground electromagnetic survey, and ground magnetometer survey, 34 kilometres each, on Lam; 1980 – induced polarization survey, 7 kilometres; and geochemical survey, 718 soil samples analysed for copper and silver, on Lam.

REFERENCES: Assessment Reports 7863, 8979.

ARGUS (Fig. E-1, NTS 92, No. 457)

LOCATION: Lat. 50° 35.6′ Long. 120° 25.4′ (92I/9W)
KAMLOOPS M.D. Approximately 10 kilometres southwest of Kamloops, 1 kilometre due east of the junction of Jacko and Peterson Creeks.

CLAIM: ARGUS 100 (12 units).

OWNER: PAN AMERICAN ENERGY CORP., 1006, 750 West Pender Street, Vancouver.

DESCRIPTION: The property is underlain mainly by Upper Triassic Nicola Group grey feldspar-porphyry andesites, green volcanic rocks, diorite, augite porphyry, quartz-feldspar sericite schist, and argillite. Structural trends are predominantly northwest and northeast. Mineralization is by minor chalcopyrite and pyrite. Alteration is more evident in the northeast corner of the property.

WORK DONE: Geochemical survey, 380 soil samples analysed for copper, zinc, and silver.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 175; Assessment Reports 7492, 10074.

AJAX – MONTE CARLO (Fig. E-1, NTS 92, No. 255)

LOCATION: Lat. 50° 36′ Long. 120° 22′ (92I/9W)
KAMLOOPS M.D. Nine kilometres southwest of Kamloops, just east of Jacko Lake.

CLAIMS: WHEAL TAMAR (Lot 2126), JACKO 10 FR., AJAX 5 FR., AJAX 6 (8 units), AJAX 7 FR., JACKO 8 FR., SULTAN (Lot 4717), COPPER STAR FR. (Lot 3015), FORLORN (Lot 3016), PAM 8 to 21, 23, 24, 28, 29, WADE 3, MAP 2 FR., MONTE CARLO (Lot 4716), GRASS ROOTS (Lot 1496), PAM 22 and 23, AJAX 2 (10 units), AJAX 4 FR., FOX 11 and 12, CLOVER 1 (4 units), CLOVER 2 (3 units).

OWNERS: Cominco Ltd., New Minex Resources Ltd., and Inves Resources Ltd.

OPERATOR: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, gold.

DESCRIPTION: The property is underlain chiefly by Sugarloaf diorite and Cherry Creek monzonite of the Triassic Iron Mask batholith. The southern edge of the property is underlain by Nicola volcanic rocks.

WORK DONE: Ground magnetometer survey, 66 kilometres; induced polarization survey, approximately 70 kilometres; and percussion drilling, 190 holes, totalling 14 347 metres, on all claims.

REFERENCES: Mineral Inventory 92I/NE-12, 14; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 197; Assessment Reports 604, 605, 640, 724, 742, 3630, 4009, 4014, 4015, 4036, 4313, 4314, 8079, 8512, 8666, 9166.

JACK (Fig. E-1, NTS 92, No. 254)

LOCATION:	Lat. 50° 36′ Long. 120° 26′ (92I/9W) KAMLOOPS M.D. Ten kilometres southwest of Kamloops, just southwest of Jacko Lake.
CLAIM:	JACK (8 units).
OWNER:	NOVA ENERGY CORP. LTD., 1404, 1133 Beach Avenue, Vancouver V6E 1V1.
DESCRIPTION:	The property is underlain by green and red aphanitic Nicola volcanic rocks and dioritic phase rocks near the Iron Mask batholith. The rocks are faulted, fractured, and silicified.
WORK DONE:	1979 – geological mapping, 1:5000 and ground electromagnetic survey, 10 kilometres.
REFERENCE:	Assessment Report 7854.

ZZ, WILL (Fig. E-1, NTS 92, No. 258)

LOCATION:	Lat. 50° 41′ Long. 120° 30′ (92I/9W, 10E) KAMLOOPS M.D. Twelve kilometres west of Kamloops on the north side of Highway 97, 3.5 kilometres south of the east end of Kamloops Lake.
CLAIMS:	ZZ 2 to 8, 15 to 20, 27 to 32, WILL 1 to 5, 7 Fraction.
OWNER:	Horseshoe Mines Ltd.
OPERATOR:	CHINA COMMERCIAL CORP. LTD., 1555 Franklin Street, Vancouver V5L 1P3.
METAL:	Copper.
DESCRIPTION:	Drilling intersected massive and fragmental pyritic andesite.
WORK DONE:	Diamond drilling, 1 BQ hole, totalling 82.3 metres, on ZZ 7.
REFERENCES:	Mineral Inventory 92I/NE-127; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 168; 1979, p. 168; Assessment Reports 2323 A and B, 2866, 2905, 4158, 4215, 5467, 5855, 6212, 6706, 7274, 8034.

NED (Fig. E-1, NTS 92, No. 264)

LOCATION:	Lat. 50° 32.5′ Long. 120° 39′ (92I/10E) KAMLOOPS M.D. Twenty kilometres west of Kamloops, between Hughes and Ned Roberts Lakes.
CLAIMS:	NED 1 to 4.
OWNER:	AFTON MINES LTD., Box 937, Kamloops.
METAL:	Copper.
DESCRIPTION:	Rotary drilling proved an average of 10 metres of glacial till covering weathered Nicola volcanic bedrock.
WORK DONE:	1979 – rotary drilling, 4 holes, totalling 72 metres, on Ned 3.
REFERENCES:	Mineral Inventory 92I/NE-133; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 157; Assessment Reports 6245, 8031.

J&L (Fig. E-1, NTS 92, No. 268)

LOCATION:	Lat. 50° 33′ Long. 120° 44′ (92I/10E) KAMLOOPS M.D. Approximately 6.3 kilometres west-northwest of the mouth of Greenstone Creek and Paska Lake, approximately 4.1 kilometres west-southwest of the mouth of Durand Creek and Dominic Lake.

(92I/10E)

CLAIM: J&L 1 (16 units).
OWNERS: J. M. ASHTON, 1402, 1500 Haro Street, Vancouver V5G 1G5 and L. OVINGTON, 982 Pleasant Street, Kamloops V2C 3B6.
DESCRIPTION: Property area is underlain by flows, pyroclastics, and sedimentary rocks of the Triassic Nicola Group.
WORK DONE: Geochemical survey, 175 soil samples analysed for copper, zinc, lead, silver, arsenic, and molybdenum.
REFERENCE: Assessment Report 9134.

RAG, TC, SPUR, BRUCE (Fig. E-1, NTS 92, No. 260)

LOCATION: Lat. 50° 35′ Long. 120° 39′ (92I/10E)
KAMLOOPS M.D. Southwest of Kamloops, just west of the headwaters of Cherry Creek, centred on Roper Lake.
CLAIMS: HAPPY DAYS, HAPPY DAYS 3 to 17, AMRON 1 and 2, RAG 100 (4 units), RAG 97, RAG B, C, E, F, and 101 Fractions, RAG 1 to 4, 6, 15 to 20, 24 to 40, 71, 73 to 78, 83, 85, 87.
OWNERS: Cominco Ltd. and Keda Resources (1973) Ltd.
OPERATOR: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: The property is underlain by pyroclastic and flow rocks of the (Upper Triassic) Nicola Group which are intruded by the Roper Lake and Durand Lake granitic stocks. These rocks are capped by basalts and pyroclastic rocks of the Kamloops Group (Tertiary). Molybdenite, copper, and pyrite mineralization occurs in quartz veins and fractures in both the volcanic and altered granitic rocks.
WORK DONE: Ground electromagnetic survey, 7.5 kilometres, ground magnetometer survey; and induced polarization survey, 41 kilometres, on Happy Days 4, 7, 9, and 12; diamond drilling, 3 holes, totalling 647 metres and percussion drilling, 32 holes, totalling 2 494 metres, on Happy Days, Happy Days 8 and 9, Rag 89 and 100; sampling, 60 soil samples taken, on Happy Days 3, 4, 7-10, 12, 13, 15, 17, and Amron 1 and 2.
REFERENCES: Mineral Inventory 92I/NE-45, 71, 114, 130, 147; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 169; 1979, pp. 176, 177; Assessment Reports 325, 1009, 2102, 2511, 3713, 4008, 5673, 6579, 7337, 7436, 7764, 8238, 8580.

DOMINIC (Fig. E-1, NTS 92, No. 265)

LOCATION: Lat. 50° 35′ Long. 120° 43′ (92I/10E)
KAMLOOPS M.D. Approximately 20.5 kilometres southwest of Cherry Creek, lying 8.7 kilometres south of Mount Durand.
CLAIMS: CHERISE (12 units), DOMINIC NORTH (10 units), DOMINIC SOUTH (20 units), DOMINIC LAKE (8 units), DOMINIC SOUTHEAST (12 units).
OWNER: C. BOITARD, 2245 – 13th Avenue, Vancouver V6K 2S4.
DESCRIPTION: The property is underlain by Nicola Group rocks consisting of greenstone, andesite, basalt, agglomerate breccia, tuff argillite, limestone, and conglomerate.
WORK DONE: 1979 and 1980 – road building, 5 kilometres; percussion drilling, 8 holes, totalling 478.54 metres, on Dominic North; geochemical survey, 108 rock

samples taken, 48 analysed for molybdenum and copper, on Dominic South, 60 analysed for copper, lead, zinc, and silver and 8 for mercury, on Cherise.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 169; 1979, p. 177; Assessment Reports 6440, 7155, 8780.

KAM (Fig. E-1, NTS 92, No. 267)

LOCATION: Lat. 50° 36′ Long. 120° 34′ (92I/10E)
KAMLOOPS M.D. Approximately 16 kilometres south-southeast of Tranquille; Cherry Creek runs through property.

CLAIMS: KAM (9 units), KAM 2 (4 units), KAM 3, KAM 4 (1 unit each).

OWNER: C. Boitard.

OPERATORS: LAKEWOOD MINING CO. LTD. and GREEN VALLEY MINE INC., 2245 West 13th Avenue, Vancouver.

METAL: (Copper).

DESCRIPTION: The property is essentially underlain by Nicola Group (Triassic) volcanic rocks, approximately 1 kilometre southwest of the contact of the Iron Mask batholith. Most copper mineralization is in the area associated with this contact.

WORK DONE: Ground magnetometer survey, 3.6 kilometres; induced polarization survey, 3.6 kilometres; diamond drilling, 3 NQ holes, totalling 714.3 metres; and geochemical survey, 120 soil samples analysed for molybdenum, copper, lead, zinc, silver, and some for gold, on all claims.

REFERENCES: Assessment Reports 8721, 9271.

DAVE (Fig. E-1, NTS 92, No. 270)

LOCATION: Lat. 50° 38′ Long. 120° 33′ (92I/10E)
KAMLOOPS M.D. Approximately 15 kilometres south from Battle Bluff, with Cherry Creek flowing through the property.

CLAIMS: DAVE (20 units), A (4 units), RUTH (2 units).

OWNER: DORADO RESOURCES LTD., 800, 543 Granville Street, Vancouver V6C 1X8.

DESCRIPTION: The claims are underlain by Nicola volcanic rocks (Triassic) intruded by Jurassic and later diorite. Kamloops volcanics (Tertiary) unconformably overlie the older rocks. Shearing and schistose structures are noted, particularly in the valley of Cherry Creek.

WORK DONE: Linecutting, 19 kilometres; ground electromagnetic survey, 19 kilometres; and diamond drilling, 6 NQ holes, totalling 1 504.53 metres, on Dave and A.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 178; Assessment Reports 3658, 3659, 5961, 7180, 7850, 9554.

LED, NED (Fig. E-1, NTS 92, No. 263)

LOCATION: Lat. 50° 38′ Long. 120° 38′ (92I/10E)
KAMLOOPS M.D. Approximately 15 kilometres south-southwest from Tranquille with Gilbert Lake situated in the east-central portion of the property.

CLAIMS: GIL (20 units), GIL 2 (10 units).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: (Copper, molybdenum).
DESCRIPTION: The property is underlain by Triassic Nicola massive, porphyritic andesite flows. At least three granitic plugs intrude the volcanic rocks; one of these in the northern part of the grid area is reported to contain quartz and traces of chalcopyrite and molybdenite.
WORK DONE: Induced polarization survey, 10.9 kilometres, on both claims.
REFERENCES: Mineral Inventory 92I/NE-122, 150; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 169; 1979, pp. 177, 178; Assessment Reports 2147, 4155, 4881, 7073, 7842, 8724.

AFTON MINE (Fig. E-1, NTS 92, No. 266)

LOCATION: Lat. 50° 39.5′ Long. 120° 31′ (92I/10E)
KAMLOOPS M.D. Eleven kilometres west of Kamloops, from Hughes Lake to Sugarloaf Hill.
CLAIMS: Production leases P4 (Lot 1029), P5 (Lot 1030), P6, Mineral Lease M-22E (Lot 1595).
OWNER: AFTON MINES LTD., Box 937, Kamloops V2C 5N4.
METALS: Copper, gold, silver.
DESCRIPTION: Native copper, chalcocite, bornite, and chalcopyrite mineralization occurs in microdiorite of the Iron Mask intrusion (Triassic).
WORK DONE: Diamond drilling, 5 NQ holes, totalling 2 981 metres, on P4 (Lot 1029).
REFERENCES: Mineral Inventory 92I/NE-23, 113; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 209-220; Mining in B.C., 1975-1980, pp. 11, 12.

JAM (Fig. E-1, NTS 92, No. 259)

LOCATION: Lat. 50° 40′ Long. 120° 32′ (92I/10E)
KAMLOOPS M.D. Fifteen kilometres west of Kamloops, straddling the Trans-Canada Highway due south of Tranquille.
CLAIMS: GOLDEN 1 to 6 and KAMLOOPS 1 to 3 Fractions, GATE 2 to 4, GOLDEN 7 to 14, 15 to 21, JAM 1 to 10, 15 to 20.
OWNER: GOLDEN GATE EXPLORATIONS LTD., 26, 425 Howe Street, Vancouver V6C 2A9.
DESCRIPTION: The claims are underlain by the contact zone between the northwest extremity of the Iron Mask batholith and Nicola volcanic and sedimentary rocks.
WORK DONE: Linecutting, 12.6 kilometres; and ground magnetometer survey, 12.6 kilometres, on Golden 15-21, Jam 7, 9, and 10.
REFERENCE: Assessment Report 8083.

RED (Fig. E-1, NTS 92, No. 262)

LOCATION: Lat. 50° 40′ Long. 120° 36.5′ (92I/10E)
KAMLOOPS M.D. Approximately 6 kilometres south of Kamloops Lake, with Beaton Lake lying 2 kilometres northwest of the claim group.
CLAIMS: RED 1 to 4 (1 unit each).
OWNER: J. S. DeLatre.
OPERATOR: ASARCO EXPLORATION CO. OF CANADA LTD., 504, 535 Thurlow Street, Vancouver.
DESCRIPTION: Nicola volcanic rocks with molybdenite; no sulphides.
WORK DONE: Ground magnetometer survey, 9 kilometres, on all claims.
REFERENCE: Assessment Report 8473.

CHALCO (Fig. E-1, NTS 92, No. 269)

LOCATION: Lat. 50° 40.5 Long. 120° 39′ (92I/10E)
KAMLOOPS M.D. Approximately 9 kilometres south of Frederick with Beaton Lake lying on the north central part of the group.

CLAIMS: CHALCO (9 units), CITE (3 units), PIPE (3 units), LES (4 units), BEATON (6 units).

OWNER: Sir Michael Butler.

OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver V6E 2K5.

DESCRIPTION: Bedrock exposure is limited to 10 per cent. The property contains a section of thick-bedded, generally conformable volcanic and volcanic-sedimentary units presumed to belong to the Nicola Group (Triassic). A quartz-carbonate alteration zone with related quartz latite dykes is crosscutting and carries finely disseminated pyrite.

WORK DONE: Geological mapping, 1:5000; linecutting, 46 kilometres; ground magnetometer survey, 46 kilometres; ground electromagnetic survey, 46 kilometres; and geochemical survey, 984 soil samples analysed for copper, silver, and mercury, on all claims.

REFERENCE: Assessment Report 9070.

MO (Fig. E-1, NTS 92, No. 271)

LOCATION: Lat. 50° 33.5′ Long. 121° 06′ (92I/11E)
KAMLOOPS M.D. North side side of Highland Valley, on Cinder Hill.

CLAIM: MO 1 (4 units).

OWNER: INVEX RESOURCES LTD., 709, 744 West Hastings Street, Vancouver.

METAL: (Copper).

DESCRIPTION: The property covers the contact between the Guichon phase quartz diorite and volcanic rocks of the Kamloops Group. Mineralization consists of quartz-tourmaline-hematite-chalcopyrite-bornite in patchy fracture filling.

WORK DONE: 1979 – linecutting, 2.3 kilometres and ground electromagnetic survey, 2.3 kilometres.

REFERENCES: Mineral Inventory 92I/NW-53; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 213; Assessment Report 8267.

LOFAR, SOFAR (Fig. E-1, NTS 92, No. 272)

LOCATION: Lat. 50° 34′ Long. 121° 18′ (92I/11W)
KAMLOOPS M.D. Approximately 20 kilometres south of Cache Creek. Claims are not adjacent but lie between the 'Vee' formation of Venables Creek and the Thompson River.

CLAIMS: LOFAR (18 units), LOFAR 2 (3 units), HIFAR (9 units), SOFAR (12 units), ORION (4 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: (Copper, lead, zinc, gold, silver).

DESCRIPTION: Synclinal intercalated andesite, dacite, rhyolite, pyroclastic rocks, chert, and limestone are intruded by diorite, dacite, and rhyolite plugs. The rhyolite pyroclastic rocks contain pyrite, minor gypsum, talc, barite, sphalerite, galena, and chalcopyrite.

WORK DONE: Percussion drilling, 8 holes, totalling 594.75 metres, on Lofar, Lofar 2, and Orion.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 171; 1979, p. 332; Assessment Reports 7102, 8263.

RED HILL (Fig. E-1, NTS 92, No. 274)

LOCATION: Lat. 50° 39′ Long. 121° 20′ (92I/11W)
KAMLOOPS M.D. Approximately 9.8 kilometres south-southwest of Ashcroft.

CLAIMS: SILICA 1 (12 units), SILICA 2 (15 units), SILICA 3 (10 units), SILICA 4 (6 units), SILICA 5 Fraction.

OWNER: Guichon Explorco Ltd.

OPERATOR: SELCO INC., 1700, 55 University Avenue, Toronto, Ontario M5J 2H7.

METALS: Copper, silver, molybdenum.

DESCRIPTION: The claims are mainly underlain by a steeply southwest-dipping homoclinal sequence of Nicola Group acid and mafic metavolcanic rocks. These have been intruded by a Late Triassic quartz-diorite to diorite pluton. Metavolcanic and plutonic rocks are cut by quartz-carbonate veins, mafic dykes and sills, and acid dykes and sills. Jurassic Ashcroft sedimentary rocks and minor Tertiary sedimentary rocks occur in the eastern part of the property.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 16 soil and 347 rock samples analysed for mercury, arsenic, copper, gold, and silver, on Silica 1-4 and 5 Fraction.

REFERENCES: Mineral Inventory 92I/NW-42; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 157; Assessment Reports 7907, 8892.

MOLY (Fig. E-1, NTS 92, No. 273)

LOCATION: Lat. 50° 39′ Long. 121° 21′ (92I/11W)
KAMLOOPS M.D. Approximately 9.7 kilometres south-southwest of Ashcroft, covering the southern headwaters of Minaberiet Creek.

CLAIMS: MOLY (9 units), MOLY 2 (6 units).

OWNER: L. W. Reaugh.

OPERATORS: L. W. REAUGH, Box 444, Cache Creek V0K 1H0 and RES PETRO CORP., 1205 Sunvalley Crescent, Cache Creek.

DESCRIPTION: The claims are underlain by argillite, felsite, limestone, and metabasalt of the Cache Creek Group. Numerous small sills and felsite and a few bodies of serpentinite intrude argillite rocks.

WORK DONE: 1979 – percussion drilling, 8 holes, totalling 100 metres, on both claims.

REFERENCES: Assessment Reports 7907, 8892.

RB 3 (Fig. E-1, NTS 92, No. 206)

LOCATION: Lat. 50° 05′ Long. 120° 37′ (92I/12E)
NICOLA M.D. Approximately 12 kilometres south of Quilchena, with Marquart and Lundbom Lakes situated within the property; Marquart Lake is situated in the centre of RB3.

CLAIM: RB3 (20 units).

OWNER: PUMPER PETROLEUM INC., 980, 789 West Pender Street, Vancouver.

DESCRIPTION: The RB claims are underlain by Nicola Group greenstone and volcanic fragmental rocks and an overlying outlier of Jurassic-Cretaceous volcanic and sedimentary rocks. Sparse pyrite, limonite, and fine quartz veinlets were noted in old test pits in the Nicola Group associated with shear zones.
WORK DONE: Ground electromagnetic survey and ground magnetometer survey, 32.5 kilometres each, covering RB3.
REFERENCES: Assessment Reports 4161, 9260.

TOW (Fig. E-1, NTS 92, No. 275)

LOCATION: Lat. 50° 33′ Long. 121° 53′ (92I/12W)
LILLOOET M.D. Approximately 16 kilometres south of Lillooet in the drainages of Towinok and Spray Creek.
CLAIMS: TOW 1 and 2 (20 units each), TOW 3 and 4 (6 units each).
OWNER: Duval Mining Ltd.
OPERATOR: DUVAL INTERNATIONAL CORP., Box 49130, 595 Burrard Street, Vancouver.
METAL: (Molybdenum).
DESCRIPTION: Four small diorite stocks intrude a well-faulted sequence of metasedimentary and metavolcanic rocks. Late-stage dacite dykes cut both quartz diorite and country rock. Molybdenite and ferrimolybdite are associated with quartz stockworks which also carry varying amounts of pyrite and/or pyrrhotite.
WORK DONE Geological mapping, 1:5000; trenching, 6 trenches, totalling 40.5 metres; and geochemical survey, 1 silt sample analysed for copper, molybdenum, zinc, and tungsten, 4 soil samples analysed for copper, molybdenum, zinc, and tungsten, and 49 rock samples analysed for copper, molybdenum, zinc, lead, rhenium, silicon, and silver, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 180; Assessment Reports 7211, 7569, 8347.

ASH (Fig. E-1, NTS 92, No. 276)

LOCATION: Lat. 50° 50′ Long. 121° 30′ (92I/13E, 14W)
KAMLOOPS M.D. Approximately 11.5 kilometres west of the town of Cache Creek, the northern fork of Medicine Creek empties into this property.
CLAIMS: ASH 1 and 2 (20 units each), ASH 3 (15 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
DESCRIPTION: Basement rocks are Cache Creek metabasaltic tuff, siliceous metasedimentary rocks, and chert plus serpentine which are overlain by sandstone and conglomerate Coldwater beds into which a rhyolite body has been emplaced, about 2 kilometres in diameter; evidence indicates it is intrusive rather than extrusive.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 242 soil, 27 silt, and 43 rock samples analysed for gold, silver, arsenic, copper, lead, and zinc, on all claims.
REFERENCE: Assessment Report 9177.

LUCKY THIRTEEN (Fig. E-1, NTS 92, No. 277)

LOCATION: Lat. 50° 55′ Long. 121° 33′ (92I/13E)
KAMLOOPS M.D. Twenty-one kilometres northwest of Cache Creek, between Indian Reserve No. 2 and Maiden Creek.

CLAIMS: BOYS (8 units), LUCKY THIRTEEN (8 units), LUCKY EDDY (4 units).
OWNER: E. DIETLEIN, 2436 West 12th Street, Vancouver.
DESCRIPTION: Drilling intersected dark grey fractured argillite and very minor calcite blebs and stringers.
WORK DONE: 1979 – diamond drilling, 1 hole, totalling 38.4 metres, on Lucky Thirteen.
REFERENCE: Assessment Report 7945.

BEATRICE (MAIDEN CR., AV) (Fig. E-1, NTS 92, No. 276)

LOCATION: Lat. 50° 58' Long. 121° 32' (92I/13E)
CLINTON M.D. Thirty-seven kilometres north-northwest of Ashcroft, with Maiden Creek running through the south-southeast corner of property.
CLAIM: SNOW (12 units).
OWNERS: J. R. Billingsley and J. R. Glass.
OPERATOR: ARROWHEAD RESOURCES LTD., 433, 355 Burrard Street, Vancouver V6C 2G8.
METAL: Gold.
DESCRIPTION: Gold mineralization is found in conglomerate beds of the Tertiary Kamloops Group. The conglomerate unconformably overlies the Cache Creek Group. Conglomerate beds dip easterly at 10 to 15 degrees with local variations to a north-south dip.
WORK DONE: Geochemical survey, 718 soil samples analysed for gold and silver.
REFERENCES: Mineral Inventory 92I/NW-51; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 172; Assessment Reports 4304, 7063, 8700.

FLINT, SCOTTIE CREEK (Fig. E-1, NTS 92, No. 280)

LOCATION: Lat. 50° 59' Long. 121° 24' (92I/14W)
KAMLOOPS M.D. Nineteen kilometres north-northwest of Cache Creek, on Scottie Creek, 5 kilometres from its junction with Bonaparte Creek.
CLAIMS: WHITE TREE, BROWN TREE, FLINT, BARBARA (Lots 3532 to 3539), SCOT 1 and 2 (20 units each).
OWNER: J.A.B. Whist.
OPERATOR: GRANGES EXPLORATION AKTIEBOLAG, 1060, 1055 West Hastings Street, Vancouver V6E 2E9.
METAL: Chromite.
WORK DONE: Linecutting, 32 kilometres; and ground magnetometer survey, 32 kilometres, on Scot 1 and 2.
REFERENCES: Mineral Inventory 92I/NW-1; *Minister of Mines, B.C.*, Ann. Rept., 1931, p. 110; Assessment Report 7859.

FAIRVIEW (PAL, QUINTO) (Fig. E-1, NTS 92, No. 279)

LOCATION: Lat. 50° 47' Long. 121° 02' (92I/14E)
KAMLOOPS M.D. Approximately 6.2 kilometres east of the junction of Battle Creek and the Thompson River.
CLAIMS: QUINTO (20 units), QUINTO II (10 units).
OWNER: QUINTO MINING CORP., 702, 543 Granville Street, Vancouver V6C 1X8.
METALS: Iron, copper.
DESCRIPTION: The main part is underlain by Upper Triassic Nicola volcanic rocks intruded by Guichon batholith granite, granodiorite, quartz diorite, and diorite. The

northern part of the property, the Quinto II claim, and the northern edge of Quinto are underlain by Miocene Kamloops volcanic rocks.

WORK DONE: Ground electromagnetic survey, 15 kilometres; and geochemical survey, 160 soil samples analysed for copper, lead, and silver, on Quinto.

REFERENCES: Mineral Inventory 92I/NW-58; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 164; Assessment Reports 4718, 6527, 8763.

CRISS CREEK (Fig. E-1, NTS 92, No. 283)

LOCATION: Lat. 50° 55′ Long. 120° 57′ (92I/15W) KAMLOOPS M.D. Twenty kilometres north-northwest of Savona, on the east side of Deadman River, north of Criss Creek.

CLAIMS: DM 1 and 2 (20 units each), DM 3 and 4 (15 units each).

OWNER: SELCO MINING CORP. LTD., 1700, 55 University Avenue, Toronto, Ontario M5J 2H7.

METAL: (Mercury).

DESCRIPTION: Andesite, dacite, and carbonate-chert-sandstone of the Nicola Group (Triassic) are overlain by vesicular volcanic rocks and volcaniclastic rocks of the Kamloops Group (Tertiary). The Nicola rocks are faulted, brecciated, and healed by carbonate and silica containing hematite and cinnabar. The Nicola and Kamloops rocks are cut by a breccia pipe and subsequently by mafic dykes and sills.

WORK DONE: 1979 – geological mapping, 1:10 000; and geochemical survey, 152 rock samples analysed for mercury, arsenic, gold, and silver, on all claims.

REFERENCES: Mineral Inventory 92I/NE-63; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 235; Assessment Reports 4305, 8191.

HILLTOP (Fig. E-1, NTS 92, No. 281)

LOCATION: Lat. 50° 45′ Long. 120° 39.5′ (92I/15E, 10E) KAMLOOPS M.D. Claims border the eastern side of Kamloops Lake and lie approximately 10.7 kilometres northwest of Tranquille.

CLAIMS: BIT 1 to 8, LO (8 units), LOLO to LOLO 2.

OWNER: S. Knight.

OPERATOR: PECOS RESOURCES LTD., 1275, 555 Burrard Street, Vancouver.

METALS: Copper, silver, gold.

DESCRIPTION: The claims are underlain chiefly by a monzonite facies of the Iron Mask batholith designated the Cherry Creek facies, which is intrusive into Nicola volcanic rocks. The contact crosses the Bit 2, 4, 5, and 7 claims.

WORK DONE: Linecutting, 13.4 kilometres; and geochemical survey, 544 soil samples analysed for copper, on all claims.

REFERENCES: Mineral Inventory 92I/NE-31, 32, 54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 158; Assessment Reports 1751, 1951, 2353, 3696, 6101, 9112.

IRON RANGE, JED (Fig. E-1, NTS 92, No. 284)

LOCATION: Lat. 50° 50.5′ Long. 120° 03′ (92I/16E) KAMLOOPS M.D. Twenty-six kilometres northeast of Kamloops covering the north side of Heffley Lake.

CLAIMS: HEFF LAKE (20 units), HEFF LAKE 2 (5 units), HEFF LAKE 3 (10 units), HEFF LAKE 4 (2 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METAL: (Copper).
DESCRIPTION: Intercalated metavolcanic and metasedimentary rocks of the Cache Creek Group (Paleozoic) are cut by a mafic stock and swarms of andesite porphyry and diorite dykes. Magnetite, pyrite, pyrrhotite, and chalcopyrite occur in calc-silicate horizons.
WORK DONE: Geological mapping, 1:5000; linecutting, 35 kilometres; ground magnetometer survey, 35 kilometres; and geochemical survey, 1 052 soil samples analysed for copper, on all claims.
REFERENCES: Mineral Inventory 92I/NE-96, 154; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 106; Assessment Reports 820, 821, 4418, 4624, 8246.

JM (Fig. E-1, NTS 92, No. 285)

LOCATION: Lat. 50° 51′ Long. 120° 10′ (92I/16E)
KAMLOOPS M.D. Approximately 8 kilometres south-southeast from Vinsulla with Silentpool Lake situated in the centre of the property.
CLAIMS: JM 1 to 4 (20 units each).
OWNER: WELCOME NORTH MINES LTD., 1027, 470 Granville Street, Vancouver.
DESCRIPTION: The property is underlain mainly by greenstone and tuffs with hornfels, argillite, and minor marble of the Permian Cache Creek Group. These are intruded by Jurassic syenites, possibly related to the Iron Mask batholith.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 564 soil samples taken with 385 analysed for copper and gold and 179 analysed for gold and arsenic and 54 rock samples taken with 46 analysed for copper and gold and 8 analysed for gold, on all claims.
REFERENCE: Assessment Report 9083.

PEMBERTON 92J

CU–MOLY (Fig. E-1, NTS 92, No. 286)

LOCATION: Lat. 50° 02′ Long. 122° 32.5′ (92J/2E)
NEW WESTMINSTER M.D. Approximately 60 kilometres northeast of Squamish, on the west bank of the Lillooet River just south of Lillooet Lake.
CLAIMS: CU–MOLY 1 (1 unit), CU–MOLY 6 (12 units), CU–MOLY 7 (12 units), CU–MOLY 8 (12 units), CU–MOLY 9 (1 unit), CU–MOLY 10 (1 unit), CU–MOLY 11 (1 unit), CU–MOLY 12 (1 unit).
OWNER: George L. Nagy.
OPERATOR: SVEINSON WAY MINERAL SERVICES LTD., 223 No. 3 Hanger, Municipal Airport, Edmonton, Alberta T5G 2Z3.
METALS: Molybdenum, copper.
DESCRIPTION: The property is underlain by Upper Jurassic/Lower Cretaceous Fire Lake Group which on the property is divided into a sedimentary breccia of tuffaceous rocks and metasediments of quartzite, phyllite, proclastic sediments, and intraformational conglomerate. Pyrite, chalcopyrite, and molybdenite occur in the sedimentary breccia.

WORK DONE: Geological mapping, 1:1000.

REFERENCES: *B.C. Ministry of Energy Mines, and Pet. Res.*, Exploration in B.C., 1978, pp. E173, E174; Assessment Report 9351; Mineral Inventory 92J/SE-26.

SOO (Fig. E-1, NTS 92, No. 287)

LOCATION: Lat. 50° 14′ Long. 122° 58′ (92J/2W)
VANCOUVER M.D. Approximately 7 kilometres west-northwest from Green River, with Soo River flowing through the southern portion of the property.

CLAIMS: SOO A (15 units), SOO B (15 units), SOO C (3 units), SOO D (3 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

METAL: Copper.

DESCRIPTION: Paucity of outcrop dictated an outcrop map only. Volcanic rocks are rhyolite, dacite, and andesite. Intrusive rocks are granodiorite and diorite. Regionally the claims are on a pendant of Lower Cretaceous Gambier Group in the Coast Plutonic Complex.

WORK DONE: Geochemical survey, 812 soil samples analysed for copper, zinc, lead, molybdenum, and silver; geological mapping, 1:5000; electromagnetic survey (VLF and Max-Min) and ground magnetic survey, 17.3 kilometres each; linecutting, 20.8 kilometres, covering Soo A to D.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 165; 1979, p. 181; Assessment Report 6573, 6581, 8576; Mineral Inventory 92J/SE-25.

DAISY (VENETIAN) (Fig. E-1, NTS 92, No. 104)

LOCATION: Lat. 50° 00.5′ Long. 123° 05.5′ (92J/3E; 92G/14E)
VANCOUVER M.D. Approximately 14 kilometres southeast of Brandywine Mountain, with Cheakamus River lying 3 kilometres to the west and Garibaldi Park 1.5 kilometres to the east.

CLAIMS: S 1 to 26 (1 unit each), FF 1 to 14 (1 unit each), DAISY 1 to 8 (1 unit each), RON 1 to 12 (1 unit each), J 1 to 10 (1 unit each), JAN (9 units).

OWNER: ACACIA MINERAL DEVELOPMENT CORP. LTD., 429, 470 Granville Street, Vancouver V6C 1V5.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: The survey area appears to cover metamorphosed pendant rocks, andesites, and schists with an intermingling of gneiss and minor diorite.

WORK DONE: Linecutting, 20.92 kilometres; and geochemical survey, 390 soil samples analysed for copper, molybdenum, silver, and zinc, on S 1-26.

REFERENCES: Mineral Inventory 92G/NW-29; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 120, E 121; 1978, p. E 139; 1979, pp. 181, 182; Assessment Reports 6114, 6514, 7093, 7793, 8783.

BRANDYWINE (Fig. E-1, NTS 92, No. 289)

LOCATION: Lat. 50° 05′ Long. 123° 00′ (92J/3E)
VANCOUVER M.D. Approximately 15 kilometres south-southeast of Callaghan Lake, with Brandywine Creek and Cheakamus River running through the property.

(92J/3E)

CLAIMS: BRANDY 1 to 12, BN 3, VAN V, VAN 23, 29 to 37, Mineral Lease M-3 (total 196 units).

OWNER: J. B. Davies.

OPERATOR: CRACK RESOURCES LTD., 1830, 700 West Georgia Street, Vancouver.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: The property geology consists of mainly andesite (greenstone), Callaghan Creek roof pendant, diorite, granodiorite, quartz monzonite, and a limestone horizon that are intruded by felsic dykes. Gold, ruby silver, argentite, tetrahedrite, sphalerite, galena, chalcopyrite, and pyrite are associated with felsite dykes and broad northerly shear zones and skarn along the limestone horizon.

WORK DONE: Ground electromagnetic survey, 14.4 kilometres and geochemical survey, 70 soil samples analysed for copper, lead, zinc, manganese, and silver, on Brandy 9; diamond drilling, 39 NQ holes, totalling 4 345 metres, on Brandy 1-4; underground development, 207.5 metres, on M-3 and portions of Brandy 1-4; airborne electromagnetic and magnetometer surveys, 880 kilometres each, over all claims; geological mapping, 1:240, on M-3; road building, 6 kilometres, on Brandy 2, 4, 6-8.

REFERENCES: Mineral Inventory 92J/1-3, 21, 22, 24, 25; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 182 (Blue Jack); Assessment Reports 4939, 4950, 5403, 5404, 5405, 5406, 5593, 5839, 7389, 9265, 9404.

SIL (Fig. E-1, NTS 92, No. 291)

LOCATION: Lat. 50° 05′ Long. 123° 05′ (92J/3E)
VANCOUVER M.D. One hundred kilometres north of Vancouver, southwest of the Whistler Mountain ski resort on the north side of Miller Creek.

CLAIM: DISCON (15 units).

OWNER: J. B. Davies.

OPERATOR: CRACK RESOURCES LTD., 84, 13380 – 74th Street, Surrey.

METALS: (Gold, silver, copper, zinc).

DESCRIPTION: Intermediate volcanic rocks, breccias, tuffs, sandstones, argillite, and limestone compose the Alta Lake pendant (Cretaceous) that is bound by quartz diorite and diorite of the Coast Plutonic Complex. The pendant rocks are cut by shear zones and quartz-carbonate veins containing minor pyrite, chalcopyrite, sphalerite, and argentite with silver and gold values. The environment is similar to the Northair mine about 4 kilometres along strike to the north-northwest.

WORK DONE: Geological mapping, 1:5000; ground electromagnetic survey, 4 kilometres; and geochemical survey, 120 soil samples analysed for silver, copper, and zinc.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 107; Mineral Inventory 92J/W-23; Assessment Reports 4547, 8833.

HANS, PET (Fig. E-1, NTS 92, No. 290)

LOCATION: Lat. 50° 07.5′ Long. 123° 09.5′ (92J/3E)
VANCOUVER M.D. Approximately 50 kilometres north of Squamish, with Callaghan Creek cutting through this property.

CLAIMS: HANS (10 units), HANS 2 (8 units), HANS 3 (9 units), HANS 4 (2 units), PET (4 units), ANGEL (8 units), CUPID (4 units), DASHER (12 units), PRANCER (16 units).

OWNER: UNION MINIERE EXPLORATION AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: (Lead, zinc).

DESCRIPTION: The main area of interest is a 1 to 2-kilometre-wide band of metavolcanic rock bounded on the east and west by granitic intrusions. The north central area appears to be underlain by a feldspar porphyry andesitic agglomerate which would be conformable to the metavolcanic unit. A later Tertiary basaltic flow fills creek valley bottoms. The general strike is north 30 degrees west.

WORK DONE: 1979 – linecutting, 9 kilometres; ground electromagnetic survey, 2 kilometres; and ground magnetometer survey, 6 kilometres, on Prancer, Dasher, and Pet; 1980 – geological mapping, 1:10 000; ground electromagnetic survey, 2 kilometres; ground magnetometer survey, 6 kilometres; airborne electromagnetic survey and airborne magnetometer survey, 80 kilometres each; and geochemical survey, 377 soil samples analysed for copper, lead, zinc, silver, and gold in part, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 174; Assessment Reports 6745, 8035, 9144.

SANTA (Fig. E-1, NTS 92, No. 288)

LOCATION: Lat. 50° 10′ Long. 123° 08′ (92J/3E)
VANCOUVER M.D. Fifty-nine kilometres north-northwest of Squamish, 2 kilometres east of Callaghan Lake.

CLAIMS: SANTA (20 units), SANTA SOUTH (4 units), SANTA NORTH (6 units), SANTA SOUTHEAST (2 units), SANTA EAST (3 units).

OWNER: LAKEWOOD MINING CO. LTD., 2245 West 13th Avenue, Vancouver V6K 2S4.

DESCRIPTION: The property is sheared and faulted with abundant transitional zones of hydrothermal alteration within metadiorites.

WORK DONE: Road building, 1 kilometre, on Santa South, Santa Southeast, and Santa East; and induced polarization survey, 1 kilometre, on Santa.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 166; 1978, p. E 175; 1979, pp. 183, 184; Assessment Reports 6147, 7210, 7737.

OZ (Fig. E-1, NTS 92, No. 292)

LOCATION: Lat. 50° 13′ Long. 123° 05′ (92J/3E)
VANCOUVER M.D. Approximately 30 kilometres southwest of Pemberton, with the Soo River running across the northern portion of the property.

CLAIM: OZ (14 units).

OWNER: J. B. Davies.

OPERATOR: CRACK RESOURCES LTD., 1830, 700 West Georgia Street, Vancouver.

WORK DONE: Ground electromagnetic survey, 1.75 kilometres; and sampling, 30 silt samples taken.

REFERENCES: Assessment Reports 5790, 9513.

TIP TOP (Fig. E-1, NTS 92, No. 293)

LOCATION: Lat 50° 03.6′ Long. 123° 46′ (92J/4W)
VANCOUVER M.D. Approximately 3 kilometres south of Deserted Bay which lies on Jervis Inlet connecting Queen's Reach and Princess Royal Reach.
CLAIM: TIP TOP (Lot 1951).
OWNER: T. L. Sadlier-Brown.
OPERATOR: HILLSIDE ENERGY CORP., 401, 134 Abbot Street, Vancouver V6B 2K4.
DESCRIPTION: The property appears to straddle a contact between black slaty argillites of the Gambier Group and a melanocratic quartz diorite of unknown age, dark green and even textured. In the immediate contact zone the argillite is bleached and contains pyrite, chalcopyrite, and siliceous stringers.
WORK DONE: Prospecting, covering Tip Top.
REFERENCE: Assessment Report 8946.

SKI (Fig. E-1, NTS 92, No. 294)

LOCATION: Lat. 50° 25′ Long. 123° 11′ (92J/6E)
LILLOOET M.D. Approximately 33 kilometres northwest of Pemberton on the south side of Ryan River. A large unnamed creek immediately east of Wasp Creek touches the southeast corner of the claims.
CLAIMS: SPECTRUM 1 (20 units), SPECTRUM 2 (20 units).
OWNER: GREAT WESTERN PETROLEUM CORP., 300, 744 West Hastings Street, Vancouver.
METALS: (Copper, molybdenum).
DESCRIPTION: Coast Crystalline Complex granodiorite and quartz monzonite (Cretaceous?) are cut by felsic stocks and dykes. Basaltic dykes (Tertiary) cut all other rocks. Pyrite, molybdenite, chalcopyrite, and malachite occur with quartz-sericite alteration in fractured granodiorite.
WORK DONE: Geological mapping, 1:10 000; geochemical survey, 9 rock samples analysed for copper, molybdenum, zinc, silver, and gold, 222 soil samples analysed for copper, molybdenum, zinc, and silver, 28 silt samples analysed for copper, molybdenum, zinc, silver, tungsten, lead, and gold, covering Spectrum 1 and 2.
REFERENCES: Assessment Reports 4664, 8220; Mineral Inventory 92J (W½)-18.

PEM (Fig. E-1, NTS 92, No. 296)

LOCATION: Lat. 50° 20′ Long. 122° 47′ (92J/7W)
LILLOOET M.D. Approximately 1 kilometre west of Pemberton, on the Lillooet River.
CLAIM: PEM (9 units).
OWNER: NORTHAIR MINES LTD., 1450, 625 Howe Street, Vancouver.
DESCRIPTION: The property is underlain by granites and granodiorites of the Coast Plutonic Complex. Locally the rocks are sheared hornblende-biotite diorites. The shear zones strike 150 degrees and dip near-vertical. Disseminated pyrite and traces of chalcopyrite occur in the shear zones.
WORK DONE: Linecutting, 16.5 kilometres; geochemical survey, 301 soil samples analysed for molybdenum and copper, covering Pem.
REFERENCE: Assessment Report 9379.

EAGLE, LAKE (Fig. E-1, NTS 92, No. 295)

LOCATION: Lat. 50° 17.5′ Long. 122° 36.5′ (92J/7E)
LILLOOET M.D. Approximately 10 kilometres southeast of townsite of Owl Creek, on the northwest edge of Lillooet Lake.

CLAIM: LAKE ADIT (18 units).

OWNER: REGULUS RESOURCES LTD., 1006, 750 West Pender Street, Vancouver V6C 1L8.

METALS: Copper, iron, zinc.

DESCRIPTION: Greenstone, tuff, andesite, rhyolite, and minor limestone Cadwallader Group (Middle to Upper Triassic) comprise a pendant underlain by quartz diorite. The intrusive-pendant contact is sheared. Pyrite, massive magnetite, chalcopyrite, galena, and sphalerite with gold and silver values occur at or near the limestone horizon within the well-altered andesite-greenstone complex.

WORK DONE: Geological mapping, 1:2500 and 1:200; ground electromagnetic survey, 8.8 kilometres; 40 channel samples, analysed for copper, lead, zinc, silver, and gold, covering Lake Adit.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 189; Assessment Reports 263, 264, 2298, 3988, 9003; Mineral Inventory 92J/SE-8, 9.

KW (Fig. E-1, NTS 92, No. 301)

LOCATION: Lat. 50° 25′ Long. 122° 15′ (92J/8)
LILLOOET M.D. Forty kilometres east of Pemberton, at the northeast end of Duffey Lake on Blowdown Creek.

CLAIM: KW (8 units).

OWNER: KENNEDY RESOURCES INC., 1105, 1234 Barclay Street, Vancouver.

DESCRIPTION: Pelitic schists and hornfelsic rocks of the Bridge River series contain quartz stringers, lenses, and grains. Molybdenite 'splashes' occur within quartz veins in a shear zone trending northwest.

WORK DONE: 1979 – ground electromagnetic survey and linecutting, 10.5 kilometres each, covering KW.

REFERENCE: Assessment Report 7905.

DUG (Fig. E-1, NTS 92, No. 300)

LOCATION: Lat. 50° 20′ Long. 122° 10′ (92J/8E)
KAMLOOPS M.D. Approximately 44 kilometres east of Pemberton, with Gott Peak lying 1 kilometre north of the property.

CLAIMS: DUG, DUG 2 to 8 (totalling 151 units).

OWNER: DENISON MINES LTD., 2300, 650 West Georgia Street, Vancouver.

DESCRIPTION: The property is situated within the Coast Plutonic Complex. The most common rock type on the property is a quartz-monzonite-granodiorite, locally porphyritic. A large gossan zone occurs within this rock characterized by a low mafic content, argillic and sericitic alteration, and secondary potash feldspar.

WORK DONE: Geological mapping, 1:20 000; geochemical survey, 60 soil, 55 silt, and 53 rock samples analysed for molybdenum, copper, and tungsten, covering all claims.

REFERENCE: Assessment Report 9114.

SILVER QUEEN, PATRICK **(Fig. E-1, NTS 92, No. 297)**

LOCATION: Lat. 50° 21′ Long. 122° 04′ (92J/8E)
KAMLOOPS M.D. Forty-eight kilometres east of Mount Currie, 19 kilometres southeast of Duffy Lake.

CLAIMS: SILVER QUEEN NO. 1 (Lot 2169), SILVER QUEEN NO. 2 (Lot 2171), SILVER QUEEN NO. 3 (Lot 2172), SILVER QUEEN NO. 4 (Lot 2170), SILVER QUEEN NO. 5 (Lot 2168), PATRICK NOS. 1 to 7 (Lots 7221 to 7227), REGINA (Lot 2173), REGINA NO. 2 (Lot 2174), SUNRISE (Lot 7228), FALL FR. (Lot 7331), LONG FR. (Lot 7230), LEG FR. (Lot 7229), BEAR 1 (4 units), BEAR 2 (20 units), BEAR 3 (10 units), KAR 1 to 4, 9, 10 (1 unit each.)

OWNER: RAMPART MINES LTD., 618, 510 West Hastings Street, Vancouver V6B 1L8.

METALS: Silver, lead, zinc, gold.

DESCRIPTION: Sulphide veins carrying values of lead, zinc, silver, and gold are intermittently associated with greenstone dykes cutting through the granodiorites of the coast range.

WORK DONE: Geological mapping, 1:50 000, covering Regina, Regina No. 2, Patrick No. 3, Silver Queen No. 2, Kar 2; drilling, 1 524 metres on Regina; trenching and stripping, 10 trenches, totalling 792 metres on Kar 2, Silver Queen No. 3, Regina, Regina No. 2, Patrick No. 3; road building; prospecting, 1:50 000; 90 tonne bulk sample.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1957, p. 23; *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1973, p. 250; Mineral Inventory 92J/SE-16, 17.

SNOW **(Fig. E-1, NTS 92, No. 298)**

LOCATION: Lat. 50° 25.7′ Long. 122° 13′ (92J/8E)
LILLOOET M.D. Approximately 5 kilometres northeast of Duffey Lake, Blowdown Creek running through the southwest part of the property.

CLAIMS: SNOW 1 (2 units), SNOW 100 (20 units), SNOW 200 (20 units), SNOW 300 (20 units), SNOW 400 (20 units).

OWNERS: John R. Kerr and Earl Cook.

OPERATOR: DENISON MINES LTD., 2300, 650 West Georgia Street, Vancouver.

METAL: (Molybdenum).

DESCRIPTION: Disseminated molybdenite occurs in quartz-sericite veinlets in felsic aplitic dykes, and on limonitic fractures in a variably altered granodiorite. Northwesterly trending basic dykes form a 'linear' that seems related to mineralization.

WORK DONE: Geological mapping, 1:5000; geochemical survey, 22 silt, 43 soil, and 71 rock samples analysed for molybdenum, copper, and tungsten (2 rock samples for silver also), covering Snow.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1970, p. 227 (A); Assessment Reports 2618, 8340.

TASEKO AREA **(Fig. E-1, NTS 92, No. 456)**

LOCATION: REGIONAL SURVEY (92J/9, 10, 15, 16; 92O/1-4)
CLINTON AND LILLOOET M.D. Along the eastern margin of the Coast Range Mountains, Taseko area.

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
WORK DONE: Geochemical survey, 426 silt samples analysed for gold, silver, copper, lead, arsenic, and antimony, covering 2 750 square kilometres.
REFERENCE: Assessment Report 9023.

PHAIR (Fig. E-1, NTS 92, No. 302)

LOCATION: Lat. 50° 37' Long. 122° 06' (92J/9E)
LILLOOET M.D. Southwest of Lillooet, two noncontiguous groups covering headwaters of Copper Creek, its junction with Cayoosh Creek, and southeasterly to Phair Creek.
CLAIMS: PHAIR 1 to 6 (112 units), CU 1 to 6 (104 units), CIN 1 to 3 (22 units).
OWNERS: Seville Minerals Ltd. and John M. Alston.
OPERATORS: SEVILLE MINERALS LTD. and CONICO GOLD MINES LTD., 217, 513 Eighth Avenue SW, Calgary, Alberta T2P 1G3.
DESCRIPTION: The property is underlain by argillites of varied schistosity with minor dykes, quartz veins and stringers of silicified material varying from chert to quartz with smaller amounts of crystalline carbonates. Two outcroppings of quartz monzonite and quartz diorite were seen. Quartz feldspar dykes were seen in the upper basins of Cayoosh Creek.
WORK DONE: Geochemical survey, 103 soil samples analysed for gold, covering Cu 2, 3, 4, 5, 6; 103 silt samples analysed for gold, covering Phair 1 to 5; 17 rock samples analysed for gold, covering Cin 2; selected samples were analysed for molybdenum, copper, zinc, and silver.
REFERENCE: Assessment Report 8810.

WARGOLD (Fig. E-1, NTS 92, No. 304)

LOCATION: Lat. 50° 31' Long. 122° 24' (92J/9W)
LILLOOET M.D. Seven kilometres southeast of the village of D'Arcy, straddling Haylmore Creek.
CLAIM: WARGOLD (6 units).
OWNER: M. P. WARSHAWSKI, 6326 Montgomery Street, Vancouver.
DESCRIPTION: Regional geology consists of sedimentary and volcanic rocks (Late Paleozoic/Early Mesozoic) intruded by granitic rocks (Jurassic).
WORK DONE: 1979-1980 – prospecting, 29 soil and 6 silt samples analysed for silver and gold, and some for tungsten, covering Wargold.
REFERENCES: Assessment Reports 2864, 6716, 8068.

BEN (Fig. E-1, NTS 92, No. 303)

LOCATION: Lat. 50° 41.5' Long. 122° 30' (92J/9W, 10E)
LILLOOET M.D. Approximately 9 kilometres northwest of McGillivray Falls with Connel Creek lying 1.5 kilometres south of the property.
CLAIM: BEN (12 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The property is underlain by interbedded metasedimentary and metavolcanic rocks of the Bridge River Group (Triassic) which have been intruded by

granodiorite and diorite of the (Tertiary) Bendor Pluton. All rock units are cut by quartz veins which contain variable amounts of pyrite, pyrrhotite, and molybdenite.

WORK DONE: Preliminary geological mapping, 1:10 000; geochemical survey, 26 silt and 13 rock samples analysed for copper, lead, silver, and gold, covering Ben.

REFERENCE: Assessment Report 9259.

ICE (Fig. E-1, NTS 92, No. 306)

LOCATION: Lat. 50° 39.5' Long. 122° 35.5' (92J/10E)
LILLOOET M.D. Approximately 10 kilometres northeast of the northern top of Birkenhead Lake, overlying the southeastern arm of Cadwallader Creek.

CLAIM: ICE (16 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain by granodiorite, quartz diorite, gneiss, schist, amphibolite, and serpentinite. Quartz-carbonate alteration occurs sporadically in granodiorite, quartz diorite, and serpentinite. Pyrite alteration occurs in amphibolite and greenschist rocks of the pendant.

WORK DONE: Prospecting, 1:10 000; geochemical survey, 30 soil, 20 silt, and 12 rock samples collected, covering Ice.

REFERENCE: Assessment Report 9258.

PASS (Fig. E-1, NTS 92, No. 305)

LOCATION: Lat. 50° 40.5' Long. 122° 32.5' (92J/10E)
LILLOOET M.D. Approximately 18 kilometres northeast of the northern tip of Birkenhead Lake, on the southwest corner by McGillivray Creek.

CLAIM: PASS (16 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102,1550 Alberni Street, Vancouver.

DESCRIPTION: The claim is underlain by variably metamorphosed sedimentary and volcanic rocks of the Bridge River Group (Triassic). A minor plagioclase porphyry of probable intrusive origin occurs in the northwest portion of the claim.

WORK DONE: Prospecting, 1:10 000; geochemical survey, 16 soil, 25 silt, and 9 rock samples collected, covering Pass.

REFERENCE: Assessment Report 9257.

EMPIRE (Fig. E-1, NTS 92, No. 308)

LOCATION: Lat. 50° 42' Long. 122° 37' (92J/10E)
LILLOOET M.D. Approximately 16 kilometres southeast of Bralorne, on the western slope of Mount McGillivray, straddling Standard Creek, which flows into Cadwallader Creek.

CLAIMS: TOM 1 to 8, PAT 1 to 8, CAM 1 to 8, DAL 1 to 8, COP 1 (16 units), COP 2 (16 units).

OWNER: CHOPPER MINES LTD., 201, 744 West Hastings Street, Vancouver.

METAL: (Copper).

DESCRIPTION: The claims are underlain by argillite, phyllite grading into schist, lenses of limestone and quartz dipping steeply to the south. These rocks are intruded by diorite. Pyrite, malachite, azurite, and minor chalcopyrite and other sulphides occur in a massive, 3-metre-wide quartz vein within the metasedimentary rocks.

WORK DONE: 1979-1980 – geochemical survey, 50 rock samples analysed for gold, silver, and copper, covering Tom and Pat; geological mapping, 1:2500; topographic survey 1:2500; road building and rehabilitation, 12.8 kilometres, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1913, p. 251; Assessment Report 8657; Mineral Inventory 92J/NE-36.

ROYAL, BUTTE (Fig. E-1, NTS 92, No. 307)

LOCATION: Lat. 50° 42′ Long. 122° 38′ (92J/10E)
LILLOOET M.D. Fifteen kilometres southeast of Bralorne, at the junction of Standard and Cadwallader Creeks.

CLAIMS: ROYAL B FR. (Lot 5683), LION NO. 7 (Lot 1945), ROYAL 1 (Lot 5640), ROYAL 2 (Lot 5643), ROYAL 8 (Lot 5648), ROYAL 9 (Lot 5649), ROYAL 10 (Lot 5650), ROYAL 11 (Lot 5681), TRAIL 2 (Lot 1944), ROYAL (Lot 5641), ROYAL 3 (Lot 5642), ROYAL 5 (Lot 5644), ROYAL 4 (Lot 5645), ROYAL 7 (Lot 5646), ROYAL 6 (Lot 5647), ROYAL A FR. (Lot 5682), ROYAL C FR. (Lot 5684), UNICORN NO. 6 (Lot 1942), LION 1 (Lot 1940), BULLDOG 7 (Lot 1945), UNICORN NO. 4 (Lot 1941), JANA (12 units), BUTTE 1 (16 units), BUTTE 2 (15 units).

OWNERS: Hillside Energy Corp. and W. A. Cook.

OPERATOR: HILLSIDE ENERGY CORP., 401, 134 Abbot Street, Vancouver V6B 2K4.

METALS: Gold, tungsten.

DESCRIPTION: Sedimentary and volcanic rocks of the Bridge River Group (Triassic) are cut by augite porphyry, diorite, and feldspar porphyry dykes of the Bralorne intrusive rocks, and the President and serpentinite intrusive rocks.

WORK DONE: Geological mapping, 1:5000; and geochemical surveys, 183 soil samples analysed for gold, silver, mercury, and zinc and 105 soil, 9 silt, and 4 rock samples analysed for gold, zinc, arsenic, and tungsten, covering a portion of the Crown-granted claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1932, p. 226; 1933, p. 273; Assessment Reports 8001, 8878; Mineral Inventory 92J/NE-14, 11.

CHALCO (Fig. E-1, NTS 92, No. 309)

LOCATION: Lat. 50° 43′ Long. 122° 37′ (92J/10E)
LILLOOET M.D. Fourteen kilometres southeast of Bralorne, on Piebiter Creek.

CLAIMS: CHALCO D FR. (Lot 7771), CHALCO NO. 10 (Lot 7765), CHALCO NO. 12 (Lot 7702), CHALCO NO. 13 (Lot 7705), CHALCO NO. 35 (Lot 7703), CHALCO NO. 36 (Lot 7766), CHALCO NO. 37 (Lot 7767), CHALCO NO. 38 (Lot 7768), CHALCO NO. 39 (Lot 7769), CHALCO NO. 9 FR. (Lot 7770), CHALCO NO. 5 (Lot 7700), CHALCO NO. 6 (Lot 7704), CHALCO NO. 8 FR. (Lot 7701), CHALCO EXT. NO. 1 (12 units), CHALCO EXT. NO. 2 (16 units).

OWNER: HAT CREEK ENERGY CORP., 21008 – 40th Avenue, Langley V3A 4P5.

METALS: Tungsten, molybdenum, copper.

DESCRIPTION: The Chalco property consists of the Fergusson Series of quartz hornblende and biotite schists and limestones that have been intruded by granodiorite of the Bendor pluton. Scheelite mineralization with minor chalcopyrite and pyrrhotite is associated with a skarn zone on intrusive schist contact.
WORK DONE: Diamond drilling, 9 holes totalling 300 metres, on Chalco No. 5.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, pp. 187, 188; Assessment Report 105; Mineral Inventory 92J/NE-43, 44.

MARA (Fig. E-1, NTS 92, No. 310)

LOCATION: Lat. 50° 45′ Long. 122° 42′ (92J/10E, 15E)
LILLOOET M.D. East of Bralorne (west of Lillooet) at the confluence of Hawthorne and Cadwallader Creeks.
CLAIM: MARA (15 units).
OWNER: HILLSIDE ENERGY CORP., 401, 134 Abbot Street, Vancouver V6B 2K4.
DESCRIPTION: Central part of Mara claim is underlain by Triassic Fergusson Group of andesites and siltstones. The northern part is underlain by granitic rocks of the Bendor pluton. Large quartz veins are common near the east boundary in a wide alteration zone at the Fergusson-Bendor contact.
WORK DONE: Geological mapping, 1:5000; geochemical survey, 122 soil samples analysed for lead, zinc, arsenic, and gold, covering Mara.
REFERENCE: Assessment Report 8877.

SILVER BELL (TENQUILLE) (Fig. E-1, NTS 92, No. 312)

LOCATION: Lat. 50° 31′ Long. 122° 54′ (92J/10W)
LILLOOET M.D. Twenty-nine kilometres west of D'Arcy at Tenquille Lake.
CLAIMS: RAY 1, 2, 4 to 7, KAY 8 to 11 (totalling 172 units).
OWNER: Solman Mines Ltd.
OPERATOR: ALLWEST INDUSTRIES LTD., 1008, 510 West Hastings Street, Vancouver V6B 1L8.
METALS: Silver, gold, lead, zinc.
DESCRIPTION: Cadwallader Group volcanic and sedimentary rocks are intruded by granodiorites resulting in faulting and folding with skarn zones on the contact of the intrusive rocks and limestones. Mineralization consists of skarn type with pyrite, pyrrhotite, magnetite, etc., with copper and zinc; also fault fissure vein deposits with gold and silver.
WORK DONE: Diamond drilling, 6 BQ holes totalling 296.8 metres, on Ray 7.
REFERENCES: Assessment Reports 365, 4154; Mineral Inventory 92J/NE-49, 50, 51, 52, 54.

NOEL (Fig. E-1, NTS 92, No. 313)

LOCATION: Lat. 50° 40′ Long. 122° 55′ (92J/10W)
LILLOOET M.D. Approximately 14 kilometres southwest from Bralorne and about 6 kilometres south-southeast from the junction of Hurley River and Waterfalls Creek.
CLAIMS: NOEL 1 (20 units), NOEL 2 (20 units).
OWNER: W. A. Cook.
OPERATOR: N. SAUNDERS, 6, 380 Powers Road, Kamloops.

METALS: (Lead, silver, copper).

DESCRIPTION: Stratiform zinc-lead-copper mineralization occurs in Triassic volcanic and sedimentary rocks of the Hurley Formation which on the Noel claims are a roof pendant in a quartz-diorite pluton. Pyrite, sphalerite, galena, and chalcopyrite occur in sericitic and chloritic phyllites and in cherty and tuffaceous layers.

WORK DONE: Surface geological mapping, 1:5000, covering Noel 1 and 2.

REFERENCE: Assessment Report 9517.

CAR (Fig. E-1, NTS 92, No. 311)

LOCATION: Lat. 50° 44' Long. 122° 50' (92J/10W)
LILLOOET M.D. Approximately 23 kilometres north-northwest of the junction of Birkenhead River and Tenquille Creek, with Carl Creek and Noel Creek on either side of the property.

CLAIM: CAR (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

METAL: Gold.

DESCRIPTION: The property is underlain by ultrabasic, phyllitic, and minor recrystallized carbonate rocks. Weak carbonate alteration occurs in the serpentine and phyllite. Disseminated pyrite occurs in the phyllite.

WORK DONE: Prospecting, reconnaissance mapping, 1:10 000; 6 silt and 5 rock samples collected, covering Car.

REFERENCES: Assessment Report 9232; Mineral Inventory 92J/NE-118.

LIL (Fig. E-1, NTS 92, No. 314)

LOCATION: Lat. 50° 44' Long. 123° 38.5' (92J/12E)
LILLOOET M.D. Approximately 51 kilometres northeast from the north-east tip of Toba Inlet, 2 kilometres east-southeast of Silt Lake.

CLAIMS: LIL 1 (9 units), LIL 2 (10 units).

OWNER: Dimac Resources Corp.

OPERATOR: ENERGEX MINERALS LTD., 900, 850 West Hastings Street, Vancouver.

DESCRIPTION: The property is underlain by fine-grained biotite microdiorite and calcic biotite hornfels. A couple of prominent gossans containing disseminated pyrite are noted on the property.

WORK DONE: Prospecting, 12 rock and 15 silt samples collected, covering Lil 1 and 2; 2 soil samples collected, covering Lil 1.

REFERENCE: Assessment Report 9321.

BR (Fig. E-1, NTS 92, No. 316)

LOCATION: Lat. 50° 54' Long. 123° 30' (92J/13E, 14W)
LILLOOET M.D. Forty kilometres northwest of Pemberton, on the east flank of the south Coast Mountains on the north headwaters of Bridge River.

CLAIMS: BR 1 to 8 (1 unit each), AG (9 units), AG 1 (8 units), AG 2 (12 units), AG 3 (20 units), AG 4 (8 units).

OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.

METALS: Copper, molybdenum.

DESCRIPTION: The property lies within the Coast Crystalline Belt and is underlain peripherally by Tertiary (?) quartz monzonite which hosts fracture-controlled chalcopyrite-molybdenite. Post-mineral quartz monzonite breccia pipes and a quartz monzonite porphyry stock in the vicinity of the showings may be related.

WORK DONE: Geological mapping of trenches, 1:100; geochemical survey, 216 soil and silt samples and 47 rock samples analysed for copper, molybdenum, silver, lead, and zinc (47 rock samples also analysed for gold), and 21 samples assayed for copper, molybdenum, silver, lead, zinc, and gold, covering BR 1 to 8, AG, AG 1 to 4; induced polarization survey, 7.4 kilometres; ground magnetometer survey, 8.5 kilometres, covering BR 1 to 6, AG 3 and 4.

REFERENCES: Assessment Reports 2499, 2500, 8804; Mineral Inventory 92J(W½)-10.

SALAL (Fig. E-1, NTS 92, No. 318)

LOCATION: Lat. 50° 47′ Long. 123° 24′ (92J/14W)
LILLOOET M.D. Sixteen kilometres west of Downton Lake, at the headwaters of Salal Creek.

CLAIMS: SALAL 1 to 4, 6 to 13 (184 units).

OWNERS: Utah Mines Ltd. and BP Minerals Ltd.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The Salal Creek Pluton is a complex comagmatic intrusion of Tertiary age that has been passively intruded into the regionally metamorphosed Coast Range Complex. The rocks of the pluton form a continuous differentiating series with a modal composition of a quartz monzonite. Mineralization appears to be structurally controlled.

WORK DONE: Geochemical survey and geological mapping, 1:5000, covering Salal 1 and 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. 123; 1977, p. E 168; 1978, p. E 176; 1979, p. 184; Assessment Reports 3948, 5974, 6345, 6355, 6750, 6999, 7557; Mineral Inventory 92J/W½-5-8, 13.

MOR (Fig. E-1, NTS 92, No. 315)

LOCATION: Lat. 51° 00′ Long. 123° 38′ (92J/13E, 92O/4E)
CLINTON M.D. Approximately 16 kilometres southwest of Falls River/Lord River junction; an unnamed creek from Lord River runs through the northwest section of the property.

CLAIM: MOR (12 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

METAL: Copper.

DESCRIPTION: The claim is underlain by granodiorite and quartz diorite (Lower Cretaceous?). Quartz veining, biotite alteration, and copper mineralization are prevalent. Mineralization consists of blebs and smears of chalcopyrite and covellite and stains of malachite and azurite in the granodiorite. Some chalcopyrite was noted in the quartz veins.

WORK DONE: Prospecting, reconnaissance mapping, 1:10 000; 24 silt, 3 soil, and 3 rock samples collected, covering Mor.

REFERENCES: Assessment Report 9231; Mineral Inventory 92J/W-30, 92O-90.

NATIVE SON (Fig. E-1, NTS 92, No. 317)

LOCATION: Lat. 50° 58′ Long. 123° 04′ (92J/14E)
LILLOOET M.D. Approximately 14.5 kilometres north-northeast of Downton Lake and the mouth of Bridge Creek, approximately 11 kilometres directly east of Leckie Lake.
CLAIM: LECKIE (20 units).
OWNER: Earl Cook.
OPERATOR: W. A. COOK, Box 398, Lillooet.
METALS: Silver, gold.
DESCRIPTION: The geology of the Leckie claim consists of several elongate zones of massive arsenopyrite with lesser pyrite and chalcopyrite in rusty, brittle slates, argillites, and quartzites of the Cretaceous Kingsvale Group. Intruding the area south of the mineralized zones is a granitic pluton of the Coast Crystalline Complex.
WORK DONE: Prospecting, 31 soil, 4 silt, and 12 rock samples analysed for copper and gold, covering Leckie.
REFERENCES: Assessment Report 8865; Mineral Inventory 92J (W½)-26.

WINDY (Fig. E-1, NTS 92, No. 321)

LOCATION: Lat. 50° 49′ Long. 122° 45′ (92J/15)
LILLOOET M.D. Approximately 5 kilometres south-southeast of Brexton, the centre of the property being west of Mount Truax.
CLAIMS: WINDY 1 (12 units), CREST (16 units).
OWNER: Jacob Goldenberger.
OPERATOR: TAMARIND HOLDING CORP., 222, 698 Seymour Street, Vancouver V6B 3K6.
METAL: (Antimony).
DESCRIPTION: The area is underlain by Bendor Intrusions which here are hornblende-biotite-quartz diorite. The mineralized structure consists of three semiparallel undulating, silicified lenses or bands contained in a very friable altered granodiorite.
WORK DONE: Geological mapping, 1:400, covering Windy 1.
REFERENCE: Assessment Report 8341.

SOL (Fig. E-1, NTS 92, No. 323)

LOCATION: Lat. 50° 50′ Long. 122° 45′ (92J/15)
LILLOOET M.D. Straddling Fergusson Creek, approximately 6 kilometres south of the confluence of McDonald Creek and Carpenter Lake.
CLAIMS: BUCK (18 units), BUCK II (16 units), DEKA I (20 units), HELENA (8 units), SOL (15 units), CHIEF (10 units), BOSS (10 units).
OWNERS: G. Allman and Jacob Goldenberger.
OPERATOR: SOLITAIRE RESOURCES CORP., 7th Floor, 609 Granville Street, Vancouver.
DESCRIPTION: Fergusson Series, Noel Formation, Husky Formation, and President (serpentine), Bralorne and Bendor intrusions were identified and mapped.
WORK DONE: Geological mapping, 1:1760, geochemical survey, 3 rock samples analysed for lead, zinc, antimony, silver, and gold, covering all claims.
REFERENCE: Assessment Report 8590.

PEERLESS, DAUNTLESS **(Fig. E-1, NTS 92, No. 322)**

LOCATION: Lat. 50° 56' Long. 122° 46' (92J/15)
LILLOOET M.D. Nine kilometres north-northeast of Gold Bridge, centred between the south end of Tyaughton Lake and Carpenter Lake.
CLAIMS: GOLDEN SIDEWALK (20 units), GOLD BELT 1 to 4 (4 units), ALPHA 1 to 4 (4 units).
OWNER: WARSTAR RESOURCES INC., 2150 Paliser Avenue, Coquitlam.
METALS: Silver, gold, antimony.
DESCRIPTION: The underlying rocks are andesite, basalt, chert, argillite, and limestone of the Fergusson Group (Triassic or older). A strong shear zone dipping 80 degrees northwesterly contains quartz-calcite veins with pyrite, arsenopyrite, stibnite, and gold and silver values.
WORK DONE: Geochemical survey, 1 042 soil samples analysed for lead, zinc, silver, and copper; ground electromagnetic survey, 47.4 kilometres, covering all claims.
REFERENCES: Assessment Reports 5325, 5716, 8457; Mineral Inventory 92J/NE-76, 73.

NATIVE SON **(Fig. E-1, NTS 92, No. 332)**

LOCATION: Lat. 50° 45.5' Long. 122° 49.5' (92J/15W)
LILLOOET M.D. South of Bralorne (west of Lillooet) between Carl and Noel Creeks.
CLAIM: EMMA (16 units).
OWNER: HILLSIDE ENERGY CORP., 134 Abbott Street, Vancouver.
METAL: Gold.
DESCRIPTION: At the northeast corner of the claim are tightly folded pyritic slates and siltstones; aerial planes strike east-west and are subvertically dipping.
WORK DONE: Geochemical survey, 120 soil samples analysed for zinc, lead, arsenic, and gold, covering Emma.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1933, pp. A 274, A 311; Assessment Report 8876; Mineral Inventory 92J/NE-6.

STIBNITE **(Fig. E-1, NTS 92, No. 325)**

LOCATION: Lat. 50° 47' Long. 122° 52.5' (92J/15W)
LILLOOET M.D. Approximately 20 kilometres south of Gold Bridge, east and south of Gwyneth Lake.
CLAIMS: ORO 1 to 3 (4 units each), ORO 4 (8 units), ORO 5 (4 units).
OWNER: NEW CONGRESS RESOURCES LTD., 804, 750 West Pender Street, Vancouver V6C 2T7.
METAL: Antimony.
DESCRIPTION: A few outcrops on the property consist of andesite and cherty sedimentary rocks. A narrow vein exposed by three trenches contains stibnite in calcareous gangue.
WORK DONE: 1979 – linecutting, 4.4 kilometres; geochemical survey, 339 soil samples analysed for gold, covering all claims; 1980 – linecutting, 4.1 kilometres; geochemical survey, 401 soil samples, covering Oro 1 to 3.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, pp. 224, 225; Assessment Reports 332, 8259, 9375; Mineral Inventory 92J/NE-58.

PINE (Fig. E-1, NTS 92, No. 326)

LOCATION: Lat. 50° 49′ Long. 122° 48′ (92J/15W)
LILLOOET M.D. Approximately 5 kilometres southeast of town of Gold Bridge on Fergusson Creek, just west of Noel Lake.

CLAIMS: POPLAR (Lot 5184), PINE (Lot 5183), ALDER (Lot 5182), PINOLA FR. (Lot 3658), POPLAR FR. (Lot 5185), JEAN (Lot 5188), MALCOLM (Lot 5187), VI (Lot 5186), ASPEN (Lot 6483), KATHLEEN FR. (Lot 6484), DEANE NO. 1 FR. (Lot 6841), NANCY NO. 3 (Lot 6842), NANCY NO. 5 (Lot 6843), FAWN FR. (Lot 4822).

OWNER: W. A. COOK, Box 398, Lillooet.

DESCRIPTION: The property is covered by overburden except for one outcrop of greenstone or andesite breccia near the southern extremity of the claims. It is thought to represent the Pioneer Formation.

WORK DONE: Geochemical survey, 169 soil samples analysed for gold and antimony, covering all claims.

REFERENCE: Assessment Report 8292.

ELEPHANT (Fig. E-1, NTS 92, No. 324)

LOCATION: Lat. 50° 49.5′ Long 122° 49.5′ (92J/15W)
LILLOOET M.D. Three kilometres south of Gold Bridge, between Bralorne Road and Hurley River.

CLAIM: ELEPHANT (Lot 444).

OWNER: GERALD A. ROSE, Box 721, Lillooet V0K 1V0.

METALS: Gold, silver, arsenic.

WORK DONE: Surveying and linecutting, 1 000 square metres, covering Elephant.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E173; 1977, p. E168; 1978, p. E177; 1979, p. 185; Mineral Inventory 92J/NE-21.

BRX (CALIFORNIA, ARIZONA) (Fig. E-1, NTS 92, No. 282)

LOCATION: Lat. 50° 49.5′ Long. 122° 50′ (92J/15W)
LILLOOET M.D. Extending southerly from Gold Bridge, along Hurley River to the north boundary of the Bralorne Mines property.

CLAIMS: GOLD SIDE (Lot 6452), EX FR. (Lot 3182), BERTA (Lot 445), MAY (Lot 6056), DEE (Lot 6055), IMP FR. (Lot 6054), PESO (Lot 6052), GOLDEN BOW (Lot 6053), REG FR. (Lot 2402), INCA DAY (Lot 2400), PEACH (Lot 3180), INCA (Lot 2371), AZTEC (Lot 2370), PORTAL (Lot 2368), GOLDEN CALF (Lot 2369), ROSSING (Lot 2366), JING FR. (Lot 2364), TOP (Lot 2361), GOLDEN GATE (Lot 3178), MEXICO (Lot 3177), ARIZONA (Lot 3176), FORTY THIEVES (Lot 443), ORAL (Lot 442), CONTACT (Lot 3179), PEPITA (Lot 3175), RIVER NO. 5 (Lot 2409), RIVER NO. 4 (Lot 2408), RIVER NO. 3 FR. (Lot 2407), MARSHALL FR. (Lot 4813), LITTLE BILL (Lot 2369), MOUNTAIN VIEW (Lot 6444), SUCKER'S DREAM (Lot 6446), LOSETTE (Lot 6451), OLD SIDE NO. 1 (Lot 6454), WABASH (Lot 6449), GREEN ROCK (Lot 6448), CHALCO NO. 5.

OWNER: Paul Polischuk.

OPERATOR: HAT CREEK ENERGY CORP., Box 466, Lillooet V0K 1V0.

METALS: Gold, copper, tungsten, lead, zinc, molybdenum.

DESCRIPTION: Geology of this past gold producer consists mainly of folded and faulted Fergusson Series volcanic and sedimentary rocks (Paleozoic and Mesozoic) intruded by the Bralorne granitic intrusive rocks (Jurassic). Easterly dipping, intersecting quartz-calcite fracture filling veins contain ore shoots of gold, pyrite, pyrrhotite, arsenopyrite, scheelite, chalcopyrite, tetrahedrite, sphalerite, galena, and molybdenite.

WORK DONE: Drifting, cleaning up, on Arizona; diamond drilling, 9 holes, totalling 300 metres, on Chalco No. 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 178; 1979, p. 185; Assessment Report 7949; Mineral Inventory 92J/NE-20-26.

KANGAROO (Fig. E-1, NTS 92, No. 327)

LOCATION: Lat. 50° 53' Long. 122° 53' (92J/15W)
LILLOOET M.D. Approximately 5 kilometres northwest of the eastern tip of Downton Lake, lying on the northern shore of Gun Lake.

CLAIM: KANGAROO (4 units).

OWNER: DONALD STURGESS, 2375 West 35th Avenue, Vancouver.

WORK DONE: Geochemical survey, 11 soil samples analysed for copper and silver; linecutting, 1 kilometre, covering Kangaroo.

REFERENCE: Assessment Report 8488.

CONGRESS (STIBNITE, ACE) (Fig. E-1, NTS 92, No. 328)

LOCATION: Lat. 50° 54' Long. 122° 48.5' (92J/15W)
LILLOOET M.D. Approximately 6 kilometres northeast of the townsite of Haylmore, the southern part of the claims overlying the western half of Carpenter Lake.

CLAIMS: NAP 1 (16 units), NAP 3, 4, ACE 16 to 20, 22 to 28, POT Fraction, KETTLE Fraction, STIBNITE 1 to 4, ROBERT Fraction, DAVID Fraction, SNOWFLAKE Fraction, TX NO. 1 Fraction.

OWNER: NEW CONGRESS RESOURCES LTD., 804, 750 West Pender Street, Vancouver V6C 2T7.

METALS: Gold, silver, antimony.

DESCRIPTION: Gold, silver, and antimony mineralization occurs in sheared fissures and sediments of the Bridge River Series. Several veins have been explored with the Congress and Bluff veins being extensively explored underground.

WORK DONE: 1979 – diamond drilling, 5 BQ holes totalling 304.56 metres; 1980 – geochemical survey, 261 soil samples analysed for gold; diamond drilling, 8 BQ holes totalling 727.25 metres, all on Nap 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. 170; 1978 p. 179; Assessment Reports 6239, 7234, 8704, 9355; Mineral Inventory 92J/NE-29.

BUNTING–FERGUSON (Fig. E-1, NTS 92, No. 329)

LOCATION: Lat. 50° 55' Long. 122° 48.5' (92J/15W)
LILLOOET M.D. Approximately 18 kilometres north of the townsite of Bralorne, 4 kilometres north of the western tip of Carpenter Lake.

CLAIM: LYNN (15 units).

OWNER: PAWNEE OIL CORP., 821, 802 West Hastings Street, Vancouver.

METAL: Gold.

DESCRIPTION: The claims are underlain by Triassic Bridge River Group andesites and siltstones metamorphosed to upper greenschist and lower amphibolite facies and highly foliated. Scanty information indicates a northeast-striking, southeast-dipping sequence that has been refolded and sheared along north-northwest areas. A Pleistocene outwash covers the south end of the property, extending from Gun Lake to Carpenter Lake.

WORK DONE: Prospecting; geological mapping, 1:10 000; geochemical survey, 30 soil samples analysed for lead, zinc, arsenic, and gold, covering Lynn.

REFERENCES: Assessment Report 9080; Mineral Inventory 92J/NE-28.

JEAN (Fig. E-1, NTS 92, No. 331)

LOCATION: Lat. 50° 55′ Long. 122° 50′ (92J/15W)
LILLOOET M.D. North-northeast of Bralorne (west of Lillooet) at the confluence of Gun and Lick Creeks.

CLAIM: JEAN (15 units).

OWNER: WESGOLD RESOURCES INC., 821, 602 West Hastings Street, Vancouver.

DESCRIPTION: The claim is underlain by andesites and siltstones of the Triassic Fergusson Group. Outcrops are common only near the east and west claim boundaries. There the rocks are metamorphosed to the upper greenschist and lower amphibolite facies and are highly foliated.

WORK DONE: Geochemical survey, 44 soil samples analysed for zinc, lead, arsenic, and gold, covering Jean.

REFERENCE: Assessment Report 8875.

HIGH TOR (Fig. E-1, NTS 92, No. 330)

LOCATION: Lat. 50° 55′ Long. 122° 55′ (92J/15W)
LILLOOET M.D. Approximately 9.2 kilometres north-northwest of Haylmore; Roxey Creek flows through the upper parts of the property.

CLAIMS: SURREY (Lot 2425), LYTTON (Lot 2426), HIGH TOR NOS. 7 to 12 (Lots 2427 to 2432), RED BLUFF NOS. 1 and 2 (Lots 2433, 2434), HIGH TOR NOS. 1 to 6 (Lots 3259 to 3264), HIGH TOR NO. 2 FR. (Lot 6678), GOLD PASS NOS. 3 to 14 (Lots 7001 to 7012).

OWNER: W. A. COOK, Box 398, Lillooet.

DESCRIPTION: Bralorne-type dioritic intrusions intrude sedimentary and volcanic rocks of the Bridge River Group and Pioneer Formation. A ‘tongue’ of granitic rock and bodies of basic and ultrabasic rocks are found near the southwestern borders of the claim group.

WORK DONE: Geochemical survey, 68 soil, 22 silt, and 9 rock samples analysed for molybdenum, arsenic, and gold, covering all claims.

REFERENCE: Assessment Report 8911.

LUCKY STRIKE (Fig. E-1, NTS 92, No. 333)

LOCATION: Lat. 51° 00′ Long. 122° 53′ (92J/15W; 92O/2W)
LILLOOET M.D. Eighteen kilometres north-northwest of Gold Bridge, straddling Bonanza and Taylor Creeks.

CLAIMS: URAL 1 to 7 (totalling 138 units), MICRON 1 and 2 Fractions (2 units), LUCKY STRIKE (Lot 6828), LUCKY STRIKE (Lot 6827), HOMESTAKE NO. 4 (Lot 6829), BOB NO. 3 (Lot 8046), BOB NO. 4 (Lot 8047), BOB NO. 5 (Lot 8048), BOB NO. 6 (Lot 8049).

OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta.

METALS: Gold, silver, lead, zinc, copper, antimony, cadmium, chromium.

DESCRIPTION: The claims are underlain by an assemblage of serpentinized ultramafic rocks, mafic to intermediate volcanic rocks metamorphosed to greenstones and metamorphosed fine-grained clastic and chemical sediments. The assemblage is intruded by a small quartz diorite pluton at Eldorado Mountain and by a number of smaller felsic bodies elsewhere on the claims. Strong fault systems appear to control alteration and mineralization. Pyrite, auriferous arsenopyrite, chalcopyrite, sphalerite, jamesonite, and other minerals occur in numerous narrow silicious veinlets, pods, lenses, and streaks.

WORK DONE: Geological mapping, 1:5000; geochemical surveys, 1 013 soil samples analysed for copper, lead, zinc, silver, nickel, iron, arsenic, antimony, and gold and 166 rock samples collected and analysed for copper, lead, silver, gold, antimony, and iron; ground magnetometer and ground electromagnetic surveys, 2 kilometres each; linecutting, 53 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 161; Assessment Report 9062; Mineral Inventory 92J/NE-32, 37, 45, 86, 95, 100, 105; 92O-26, 73.

MARY MAC (HJ) (Fig. E-1, NTS 92, No. 319)

LOCATION: Lat. 50° 52′ Long. 122° 41′ (92J/15E)
LILLOOET M.D. Situated 10.5 kilometres east-northeast from Gold Bridge, with Truax Creek flowing through the property.

CLAIMS: HJ 3, 4, 5, 6 (totalling 80 units).

OWNER: W. A. COOK, KERON HOLDINGS LTD., BOX 398, 837 East Cordova Street, Vancouver.

METALS: Gold, antimony, molybdenum.

DESCRIPTION: Underlain by metavolcanic and interbedded metasedimentary rocks of the Bridge River Group. These are intruded by a chloritized feldspar porphyry. Closely related to the largest porphyry dyke(?) is a northwest-trending vein containing auriferous stibnite and more or less arsenopyrite.

WORK DONE: Geological mapping, 1:5000, 1:1000; geochemical survey, 485 soil, 21 silt, and 21 rock samples analysed for molybdenum, arsenic, antimony, and gold, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines and Pet. Res.*, Exploration in B.C., 1977, p. E 171; Assessment Report 8697; Mineral Inventory 92J/NE-67.

OLYMPIC (Fig. E-1, NTS 92, No. 320)

LOCATION: Lat. 50° 54′ Long. 122° 43′ (92J/15E)
LILLOOET M.D. Eight kilometres north-northeast of Goldbridge on the south shore of Carpenter Lake. Girl Creek runs through the property.

CLAIMS: ALTA 1 to 8, ALTA 1 and 2 Fractions, HILLSIDE 1 to 8, HILLSIDE EXT. 3, 4, ALPHA 1 to 3 Crown Grants and MELLISANDE and HEPZIBAH Mineral Claims.

OWNERS: Donald B. and Elizabeth V. Ingram.
OPERATOR: NORANDA EXPLORATION COMPANY LIMITED, Box 2380, Vancouver.
METALS: Copper, zinc, antimony, silver, gold.
DESCRIPTION: Rocks are northwest-striking andesites, rhyolites, and felsic tuffs and breccias of the Middle Triassic Bridge River Group. These are intruded by ultramafic sills, of uncertain but probably Upper Triassic age, and by a diorite pluton. Metallic minerals are magnetite, pyrite, and chalcopyrite.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 167 soil samples analysed for copper, zinc, lead, and molybdenum, on Alpha 1-3, Alta 1-3, 5, Alta 1 Fraction and 2 Fraction, and Hillside 5, 7, 8; ground electromagnetic survey, 8.8 kilometres, on Alta 1, 2 Fraction; ground magnetometer survey, 8.8 kilometres, on Alta 1, 2 Fraction; linecutting, 8.8 kilometres; and diamond drilling, 2 BQ holes, totalling 265.78 metres, on Alta 3, Hillside 7.
REFERENCES: *Minister of Mines, B.C.*, Ann. Repts., 1934, p. F 31; 1945, p. 88; *B.C. Ministry of Energy, Mines, and Pet. Res.*, Exploration in B.C., 1979, p. 187; Assessment Reports 8293, 8954; Mineral Inventory 92J/NE-92.

BLACK JADE (Fig. E-1, NTS 92, No. 334)

LOCATION: Lat. 50° 53′ Long. 122° 27′ (92J/16W)
LILLOOET M.D. Sixty-three kilometres northeast of Bralorne, 2 kilometres west of Rex Peak in the Carpenter Lake area.
CLAIM: BLACK JADE (20 units).
OWNER: IAN G. SUTHERLAND, 309, 2119 West 42nd Avenue, Vancouver V6M 2B7.
DESCRIPTION: The property is underlain by argillite, andesite sills, and mafic intrusive rocks.
WORK DONE: Prospecting; road construction, 8 kilometres cleared, on Black Jade.
REFERENCE: Assessment Report 9683.

BUTE INLET 92K

LINDA (Fig. E-1, NTS 92, No. 80)

LOCATION: Lat. 50° 00′ Long. 124° 05′ (92F/16E; 92K/1E)
Report on this property in section 92F/16E.

OK (Fig. E-1, NTS 92, No. 335)

LOCATION: Lat. 50° 02′ Long. 124° 39′ (92K/2E)
VANCOUVER M.D. Approximately 14 kilometres east to Chippewa Bay, with various small unnamed lakes within the property.
CLAIMS: OK 1 to 52, 54, 56, 58 to 60, 63, 65, 67, 69 to 74 (66 units), MBM 1 to 6 (6 units), IN 1 to 16, 150 to 156, 161 to 164, 180, 183, 184 (30 units), INLET Fraction 1 to 16 (16 units), SEPT 23 to 38 (16 units), KYDIDLE 1, 2 (2 units).
OWNERS: M. Boylan and R. Mickle.
OPERATOR: AQUARIUS RESOURCES LTD., 920, 475 Howe Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: The property is underlain by a diorite-gabbro complex intruded by a central core of quartz monzonite (Cretaceous-Tertiary ?) surrounded by a grano-

diorite. Chalcopyrite with minor pyrite appears related to monzonite. Higher grades of chalcopyrite with minor molybdenite occur around flanks of granodiorite. Molybdenite occurs in pyrite halos outside the above zone.

WORK DONE: Diamond drilling, 3 NQ holes, totalling 205 metres, on OK 47; linecutting, 32 kilometres; trenching, 23 trenches, totalling 1484 metres; ground magnetometer survey, 12.5 kilometres; sampling, 1 035 soil and 8 other samples taken, on all claims.

REFERENCES: Mineral Inventory 92K-8; *CIM*, Spec. Vol. 15, pp. 311-316; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. 171; Assessment Reports 2594, 2595, 5028, 8748, 9520.

CONTACT (Fig. E-1, NTS 92, No. 337)

LOCATION: Lat. 50° 10′ Long. 125° 14′ (92K/3E)
NANAIMO M.D. Stretching northwest between Open Bay and Stramberg Lake, on Quadra Island.

CLAIMS: GOLD, QUAD 1, 2 (totalling 32 units).

OWNER: M. BOE, 14, 1091 Broughton Street, Vancouver V6G 2A9.

METALS: Gold, silver, copper, molybdenum, lead, zinc, nickel.

WORK DONE: Percussion drilling and sampling, on Gold.

REFERENCES: Mineral Inventory 92K-85; Assessment Reports 3100, 5680.

COPPER BELL, COPPER HILL (Fig. E-1, NTS 92, No. 338)

LOCATION: Lat. 50° 07′ Long. 125° 16′ (92K/3W)
NANAIMO M.D. Nine kilometres north of Campbell River, on the west side of Quadra Island, 4 kilometres east of Race Point.

CLAIMS: COPPER HILL, COPPER BELL 1, 2, EPSILON Fraction, EVELYN 1 to 3, BIT 1, 2, KAPPA Fraction, BEAVER DAM, CLIFF 1, 2, COPPER CLIFF.

OPERATOR: QUADRA BELL MINING CO. LTD., 1161 South Alder Street, Campbell River V9W 1Z8.

METALS: Copper, (silver).

DESCRIPTION: Mainly chalcocite associated with quartz veins in volcanic rocks.

WORK DONE: Stripping, 5 square metres, on Evelyn 2.

REFERENCES: Mineral Inventory 92K-12, 52, 58, 71-74, 103, 118, 119; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 124; 1977, p. E 172; 1978, p. E 180; 1979, p. 187.

ASTA, SUDS (Fig. E-1, NTS 92, No. 339)

LOCATION: Lat. 50° 09′ Long. 125° 26′ (92K/3W)
NANAIMO M.D. Approximately 16.8 kilometres north-northwest of Campbell River, approximately 3 kilometres directly west of the mouth of Menzies Creek and Menzies Bay.

CLAIM: SUDS (12 units).

OWNERS: Cal-Star Resources Ltd. and P. Shatzko.

OPERATOR: CAL–STAR RESOURCES LTD., 237 Hotel Vancouver, 900 West Georgia Street, Vancouver.

METAL: Copper.

DESCRIPTION: Diabase dykes and sills intrude basalt flow rocks and minor interbedded pillow lava of the Karmutsen Formation. Mineralization is irregular and consists of native copper, bornite, chalcocite, chalcopyrite, covellite, malachite, and azurite occurring in interstices, veinlets, and disseminated in the Karmutsen volcanic rocks.

WORK DONE: Geological mapping, 1:2500; ground electromagnetic survey, 2 kilometres; induced polarization survey, 1 kilometre; linecutting, 5.2 kilometres; and geochemical survey, 254 soil samples analysed for copper, covering Suds.

REFERENCES: Mineral Inventory 92K-128; Assessment Report 9350.

HOPE (Fig. E-1, NTS 92, No. 340)

LOCATION: Lat. 50° 25' Long. 125° 20.5' (92K/6W)
VANCOUVER M.D. Forty-two kilometres north of Campbell River, on East Thurlow Island and on the west side of Nodales Channel.

CLAIMS: TAM 1 to 8 (8 units).

OWNERS: T. F. SCHORN, 680 Barnham Road, West Vancouver V7S 1T5 and CHINOOK CONSTRUCTION & ENGINEERING LTD., 301, 1201 West Pender Street, Vancouver V6E 2V2.

METALS: Gold, copper.

DESCRIPTION: The old workings are based on quartz veins containing auriferous pyrite and chalcopyrite in medium to coarse-grained quartz diorites of the Coast Range batholith.

WORK DONE: Geological mapping, 1:2400; and geochemical survey, 84 soil and 3 rock samples analysed for silver, gold, and copper, on Tam 1-4.

REFERENCES: Mineral Inventory 92K-18; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1975, p. E 112; Assessment Report 7959.

ENID—JULIE, ALEXANDRA (Fig. E-1, NTS 92, No. 341)

LOCATION: Lat. 50° 30' Long. 125° 30' (92K/6W, 11W)
VANCOUVER M.D. Fifty-five kilometres north of Campbell River, on the west side of Phillips Arm, between Fanny Bay and Picton Point.

CLAIMS: PREMIER (Lot 1665), PREMIER FR. (Lot 1667), WATERLOO FR. (Lot 226), GOLD DUST FR. (Lot 1663), MARY ROSE (Lot 1664), JENNIE B (Lot 278), STELLA (Lot 281), EMPEROR (Lot 227), HIGHLAND LADDIE (Lot 228), DUKE (Lot 229), JUBILEE FR. (Lot 230), DUCHESS (Lot 231), JULIE (Lot 233), EMPRESS (Lot 279), COMOX (Lot 296), ENID (Lot 280), ALEXANDRA (Lot 225).

OWNERS: J. W. MacLeod and M. P. Warshawski.

OPERATOR: CORPAC MINERALS LTD., 1020, 789 West Pender Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: The claims cover gold-bearing quartz veins related to a steeply dipping shear zone along the contact between metasedimentary rocks and intrusive rocks of the Coast Range complex. The old Alexandra mine has indicated reserves of 19 000 tons grading 0.306 ounce of gold per ton.

WORK DONE: Geochemical survey, 105 soil samples analysed for copper, zinc, silver, and gold, 4 rock samples analysed for silver and gold, and 2 rock samples analysed for copper, zinc, silver, and gold, on Enid, Empress, and Comox.

REFERENCES: Mineral Inventory 92K-24, 28; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 126; Assessment Reports 6108, 8287.

RED (Fig. E-1, NTS 92, No. 342)

LOCATION:	Lat. 50° 16' Long. 124° 55' (92K/7W, 2W) VANCOUVER M.D. On the northwest tip of West Redonda Island (Deer Passage) covering Tom Lake and Joe Lake.
CLAIMS:	TOM, BAY (18 units each), JOE (20 units), RAZA (4 units), REDONDA (20 units), REDONDITA (6 units), POND 1 (4 units), POND 2 (1 unit), SITE (1 unit).
OWNER:	TECK CORP., 1199 West Hastings Street, Vancouver V6E 2K5.
METALS:	Copper, molybdenum.
DESCRIPTION:	The claim area is about 15 per cent outcrop of diorite, quartz diorite, and granodiorite. These rocks are intruded by many dykes. Minor amounts of pyrite, hematite, chalcopyrite, and molybdenite occur within these rocks.
WORK DONE:	Geological mapping, 1:2000, 1:5000; linecutting, 13.2 kilometres; and sampling, 268 soil, 26 silt, and 1 water sample taken, on Bay, Tom, and Joe.
REFERENCES:	Mineral Inventory 92K-92; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 172; 1979, p. 188; Assessment Reports 638, 4176, 6330, 7346, 8085, 8280.

LAGOON (COLOSSUS) (Fig. E-1, NTS 92, No. 343)

LOCATION:	Lat. 50° 32' Long. 125° 13' (92K/11E) VANCOUVER M.D. Approximately 18 kilometres west of Bute Inlet; the property lies 2 kilometres north of Estero Basin.
CLAIMS:	COLOSSUS (Lot 256), BLUEBELL (Lot 258), PORTAGE (Lot 259), CHAMPNESS FR. (Lot 260), IAN (9 units), JAS (6 units).
OWNER:	GARDINER RESOURCES INC., 812, 409 Granville Street, Vancouver.
METALS:	Copper, silver, gold, molybdenum.
DESCRIPTION:	The property lies within granodiorite of the Coast Range batholith which has been locally sheared and intruded by basic dykes. The mineral occurrence has been opened by past operators on three levels and one sub-level. It consists of strands and blebs of pyrite, chalcopyrite, and molybdenite in a predominantly quartz matrix striking north 60 degrees east and dipping steeply northwest.
WORK DONE:	Geological mapping; and 44 samples taken, on Portage.
REFERENCES:	Mineral Inventory 92K-29; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 72; Assessment Reports 317, 9346.

ALERT BAY 92L and part of 102I

CAM, DOC (Fig. E-1, NTS 92, No. 344)

LOCATION:	Lat. 50° 15' Long. 126° 02.5' (92L/1E, 8E) NANAIMO M.D. Approximately 12.5 kilometres southeast of Port Neville; the claims lie 4.2 kilometres northeast of the junction of Compton Creek and Adam River.
CLAIMS:	DIK (8 units), DOK (4 units).
OWNER:	B. Taylor.
OPERATOR:	FIVE M RESOURCES INC., 149 East – 15th Street, North Vancouver.
METAL:	(Copper).

DESCRIPTION: A silicified skarn-like zone of the Quatsino Formation limestone (Upper Triassic) is variably mineralized with pyrite, pyrrhotite, and chalcopyrite containing gold and silver values.

WORK DONE: 1979 – geological mapping, 1:250; and sampling, 16 rock samples taken, on Dik; linecutting, 1.5 kilometres; and ground magnetometer survey, 1.8 kilometres, on both claims; 1980 – diamond drilling, 5 BQ holes, totalling 522.13 metres, on Dik.

REFERENCES: Mineral Inventory 92L-180; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 229; Assessment Reports 8190, 9065.

RIMY, EXTENSION 5, 7, 9 (Fig. E-1, NTS 92, No. 336)

LOCATION: Lat. 50° 02' Long. 126° 48' (92L/2W)
ALBERNI M.D. Six kilometres northeast of Zeballos, between Goldvalley and Monckton Creeks.

CLAIMS: EXTENSION 7 (Lot 1714), EXTENSION 9 (Lot 1713), RIMY 1 (Lot 1902), RIMY 6 (Lot 1901), EXTENSION 5 (Lot 1048), ZA FR., FERNHILL FR.

OWNER: W. Guppy.

OPERATOR: GOLDEN HINDE MINES LTD., c/o W. Guppy, Box 94, Tofino V0R 2Z0.

METAL: Gold.

WORK DONE: Linecutting, 1 700 metres; sampling, 30 soil samples taken, on Fernhill Fr. and Extension 5.

REFERENCES: Mineral Inventory 92L-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 180; 1979, p. 188; Assessment Report 7012.

WHITE DOME (Fig. E-1, NTS 92, No. 345)

LOCATION: Lat. 50° 07' Long. 126° 54' (92L/2W)
ALBERNI M.D. Approximately 11 kilometres north from Mamat Mountain, with Kaouk River flowing just south from the property.

CLAIM: WHITE DOME (20 units).

OWNER: ESPERANZA EXPLORATIONS LTD., 1027, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: The property is underlain by a broad easterly striking sequence of interbedded sedimentary and volcanic rocks which lie on the northern fringe of a large mass of Island Intrusives which here is chiefly quartz diorite.

WORK DONE: Geochemical survey, 39 soil samples analysed for gold and arsenic and 30 rock samples analysed for gold.

REFERENCES: *Geol. Surv., Canada*, Map 78–8; Assessment Report 8612.

ECLIPSE (Fig. E-1, NTS 92, No. 346)

LOCATION: Lat. 50° 00' Long. 127° 05' (92L/3E)
ALBERNI M.D. Seven kilometres south of Fair Habour, 5 kilometres east of Machta Point.

CLAIMS: DL 1 to 12.

OWNER: A. B. THOMSON, 4611 Albert Street, Burnaby V5C 2G7.

METAL: Gold.

DESCRIPTION: The claims are underlain mainly by granitic rocks (granodiorites and quartz diorites) of Jurassic age. A contact with volcanic rocks occurs on the northeast margin of DL 8 and DL 10. Gold occurs in chlorite slicks, in crystallized quartz lying between the chlorite and the granitic rocks and in the altered surrounding rocks. On DL 8, three gold-bearing zones in close proximity to one another all strike northerly.

WORK DONE: Prospecting.

REFERENCES: Mineral Inventory 92L-101; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 189.

MONTEITH (Fig. E-1, NTS 92, No. 348)

LOCATION: Lat. 50° 08′ Long. 127° 18′ (92L/3W)
ALBERNI M.D. On the northwest coast of Vancouver Island, approximately 12 kilometres northeast of Kyuquot; the claims straddle Easy Inlet, which is on the western side of Kashutl Inlet.

CLAIMS: EASY TWO, EASY THREE (20 units each), TOO EASY (1 unit).

OWNERS: J. C. STEPHEN, 1458 Rupert Street, North Vancouver V7J 1G1 and S. E. ANGUS, 12474 Crescent Road, Surrey.

METALS: Gold, copper, zinc.

DESCRIPTION: The claims are underlain by dacitic to andesitic flow and fragmental rocks, red volcanic breccias, and a dacite dome. There is an intense alteration zone ranging from massive alunite and pyrophyllite to very silicified quartz sericite masses.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 120 soil and 22 rock samples analyzed for arsenic and gold, covering all claims.

REFERENCES: Mineral Inventory 92L-72, 117; *Minister of Mines, B.C.*, Ann. Repts., 1914, p. 377; 1920, p. 198; 1925, p. 273; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 256; 1974, p. 400; Assessment Reports 4539, 8279.

KIMO (Fig. E-1, NTS 92, No. 351)

LOCATION: Lat. 50° 27′ Long. 127° 50.5′ (92L/5W)
NANAIMO M.D. On the northwestern section of Vancouver Island, 38 kilometres southwest of Port Hardy, on the south shore of Quatsino Sound, 2 kilometres west of the community of Mahatta River.

CLAIMS: KIMO 1 to 6 (6 units).

OWNER: W. G. BOTEL, 14218 Marc Road, Maple Ridge.

METALS: (Copper, zinc).

DESCRIPTION: The few outcrops consist of andesite and basalt overlain by black calcareous sedimentary rocks and tuffs. The strike trend in northwesterly, dipping 40 degrees southwest. Quartz and calcite veinlets containing minor pyrite, chalcopyrite, and sphalerite are common in the tuffs and calcareous rocks.

WORK DONE: 1979 – geological mapping, 1:3000, on all claims; 1980 – linecutting; and sampling, on all claims.

REFERENCES: Assessment Report 8018; Mineral Inventory 92L-291.

LE MARE (Fig. E-1, NTS 92, No. 350)

LOCATION: Lat. 50° 25′ Long. 127° 55′ (92L/5W)
NANAIMO M.D. Approximately 31 kilometres north-northwest of Port Alice, with Culleet Creek dividing Le Mare 1 and 2.

CLAIMS: LE MARE 1 and 2 (4 units each).

OWNERS: D. T. Kenning and B. J. Bilquist.

OPERATOR: BRITISH NEWFOUNDLAND EXPLORATION LTD., 704, 602 West Hastings Street, Vancouver V6B 1P2.

DESCRIPTION: The property is underlain by Lower Jurassic Bonanza Formation and the Le Mare 1 and 2 subunits. The Le Mare 1 subunit consists of heavily pyritized, white-weathering, medium green rhyolite displaying strong flow banding and auto-brecciation, dacite flows and tuffs, and andesite dykes and the Le Mare 2 consists of andesite flows, dacite, lapilli tuff, and rhyolite tuff.

WORK DONE: Geochemical survey, 30 rock samples analysed for copper, on both claims.

REFERENCE: Assessment Report 8593.

YREKA (Fig. E-1, NTS 92, No. 349)

LOCATION: Lat. 50° 27′ Long. 127° 32′ (92L/5E)
NANAIMO M.D. Approximately 11.3 kilometres northwest of Port Alice, on the west side of Neroutsos Inlet, near the northern end of Vancouver Island.

CLAIMS: ELVA, EDITH FR., MOUNTAIN KING, MOUNTAIN QUEEN, HIAWATHA FR., TUSCARORA, POCAHONTAS, QUATSINO CHIEF, YREKA FR., NEW COMSTOCK, SUPERIOR, ASA THOR, NS, MOHICAN FR., READY CASH FR., OMEGA FR. (Lots 81 to 90, 106, 107, 109, 111 to 113), UKE (6 units), UKE 2 (8 units), UKE 3 (12 units).

OWNER: J. Iwasenko.

OPERATOR: UKE RESOURCES LTD., 222, 744 West Hastings Street, Vancouver V6C 1A5.

METALS: Copper, zinc.

DESCRIPTION: Drilling intersected silicified, fractured, grey, aphanitic rhyolite containing clustered and disseminated pyrrhotite, chalcopyrite, sphalerite, and bornite.

WORK DONE: 1979 – diamond drilling, 3 EX holes, totalling 91.5 metres, on Tuscarora; 1980 – road building, 122 metres; and timbering, 122 metres, on Mountain King; road building, 213.5 metres; and percussion drilling, 823.5 metres, on New Comstock.

REFERENCES: Mineral Inventory 92L-52, 104, 105, 236; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 288; Assessment Reports 3164, 3165, 4425, 7981.

QUATSINO KING (Fig. E-1, NTS 92, No. 352)

LOCATION: Lat. 50° 23′ Long. 127° 30′ (92L/6W, 5E)
NANAIMO M.D. The claim lays on the western shore of Neroutsos Inlet, 2 kilometres northwest of where Cayuse Creek empties into Neroutsos Inlet.

CLAIM: GOLDEN KING (20 units).

OWNER: J. Glass.

OPERATOR: FURY EXPLORATIONS LTD., 433, 355 Burrard Street, Vancouver.

METALS: Gold, copper.

DESCRIPTION: Volcanic and sedimentary rocks (Triassic) are intruded by monzonite and diorite. Feldspar porphyry intrudes a north-south breccia zone that is anomalous in gold and copper.

WORK DONE: 1979 – linecutting, 14 kilometres; and geochemical survey, 200 soil samples analysed for silver, copper, and zinc; 1980 – road building, 2 488 metres; and percussion drilling, 5 holes, totalling 273 metres.

REFERENCES: Mineral Inventory 92L-54; *Minister of Mines, B.C.*, Ann. Repts., 1904, p. 245; 1906, p. H200; 1911, p. 192; 1912, p. 196; 1913, p. 283; 1914, pp. 377, 514; 1916, p. 364; 1917, p. 255; 1918, p. 267, 1931, p. 170; Assessment Reports 8629, 9451.

NIMPKISH COPPER (Fig. E-1, NTS 92, No. 354)

LOCATION: Lat. 50° 20′ Long. 126° 50′ (92L/7W)
NANAIMO M.D. Twenty-two kilometres south of Beaver Cove, 4 kilometres west of Nimpkish camp, at the headwaters of Kinman Creek.

CLAIMS: PETER 1 to 3 (20 units each), NINA 1 to 7, HAZEL 7, 8, OLDTIMER, OLDTIMER 2 to 4.

OWNER: REAKO EXPLORATIONS LTD., 501, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, silver, zinc.

DESCRIPTION: The rocks in this area consist of andesite and belts of limestone of the Vancouver Series. This series was intruded by granodiorite. On or near the limestone-granodiorite contacts the limestone is irregularly replaced by the following mineralization: magnetite, pyrite, zinc blende, chalcopyrite, and pyrrhotite.

WORK DONE: Trenching, 3 trenches, 14 metres total length, on Peter 1.

REFERENCES: Mineral Inventory 92L-36, 118, 119, 120, 206, 207; *Geol. Surv., Canada*, Mem. 272, 1953; *Minister of Mines, B.C.*, Ann. Rept., 1929, p. 383; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 273; Assessment Reports 456, 831, 832.

BON (Fig. E-1, NTS 92, No. 353)

LOCATION: Lat. 50° 16.5′ Long. 126° 40.5′ (92L/7E)
NANAIMO M.D. Approximately 24 kilometres southwest of Mount Derby, with the eastern tip of Bonanza Lake lying 7.5 kilometres northwest of the claim group.

CLAIM: BIG MAC (20 units).

OWNER: VANSTATES RESOURCES LTD., 2400, 1066 West Hastings Street, Vancouver V6E 2E6.

METALS: Copper, iron, lead.

DESCRIPTION: The property is underlain mainly by Triassic andesite flows of the Karmutsen Group, commonly chloritized and in places silicified. These are intruded at the southwest corner of the claim by quartz diorite of the Nimpkish batholith. Mineralization is magnetite, pyrrhotite, chalcopyrite, and minor galena in skarn.

WORK DONE: Geochemical survey, 558 soil samples analysed for copper, zinc, and molybdenum.

REFERENCES: Mineral Inventory 92L-161, 171, 183-189; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 209; 1970, pp. 274-278; Assessment Reports 1821, 8644.

LORENA (Fig. E-1, NTS 92, No. 355)

LOCATION: Lat. 50° 31′ Long. 126° 53′ (92L/10W)
NANAIMO M.D. The property lies approximately 10 kilometres south-

east of Alert Bay, with Tsulton River running through the southern part of the claims.

CLAIMS: REN 1 to 4, NIMROD 1 to 6 (1 unit each).

OWNER: SKIDAGATE EXPLORATION LTD., 401, 134 Abbot Street, Vancouver V6B 2K4.

METALS: Zinc, lead, copper.

DESCRIPTION: The property is underlain by Karmutsen volcanic rocks and younger Quatsino limestone. The limestone is cut by andesitic and porphyritic rhyolite dykes of the Bonanza volcanic rocks. All these rocks are intruded by Island intrusive rocks. Pyrite, chalcopyrite, sphalerite, and galena mineralization is associated with the rhyolite dykes where they intrude Quatsino limestone.

WORK DONE: Geological mapping, 1:1000, on all claims.

REFERENCES: Mineral Inventory 92L-262; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 260; Assessment Reports 4596, 8285.

MARBLE CREEK (Fig. E-1, NTS 92, No. 359)

LOCATION: Lat. 50° 32' Long. 127° 27.5' (92L/11W)
NANAIMO M.D. Approximately 23.5 kilometres south of Bear Cove on Hardy Bay with Marble River cutting through the centre of the claim.

CLAIM: BRAM (9 units).

OWNER: H. M. Jones.

OPERATOR: BARON RESOURCES LTD., c/o M. Morrow, 600, 535 Georgia Street, Vancouver V6B 1Z6.

METAL: Copper.

DESCRIPTION: The claim is underlain by amygdaloidal and massive andesite and basalt flows with interbedded volcaniclastic rocks of the Karmutsen Group (Upper Triassic). Pyrite, chalcopyrite, and malachite are noted in the andesite.

WORK DONE: Geochemical survey, 263 soil samples analysed for copper, zinc, and molybdenum.

REFERENCES: Mineral Inventory 92L-111; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 98; Assessment Reports 1776, 9317.

RUPERT, EXPO (Fig. E-1, NTS 92, No. 357)

LOCATION: Lat. 50° 36' Long. 127° 26' (92L/11W)
NANAIMO M.D. Northeast Vancouver Island, 15 kilometres south-southeast of Port Hardy, on the east end of Rupert Inlet, 3 kilometres east of the Island Copper pit.

CLAIMS: F 4, F 6, F 8, F 10 to 15, RUPERT 2, RUPERT 11 to 13, TAR 2, TAR 4, TAR 6, KEY Fraction, EXPO 1 Fraction, EXPO 29 to 32, EXPO 53 to 56, CAR 3, CAR 5, CAR 7, CAR 8, CAR 11.

OWNERS: Utah Mines Ltd. and G. Milbourne.

OPERATOR: UTAH MINES LTD., Box 370, Port Hardy.

DESCRIPTION: Drilling intersected the Bonanza cherty tuff and pinkish Rupert monzonite porphyry.

WORK DONE: Diamond drilling, 1 NQ hole, totalling 183.5 metres, on Rupert 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 174; Assessment Reports 5033, 6270, 8178.

E (Fig. E-1, NTS 92, No. 358)

LOCATION: Lat. 50° 37' Long. 127° 21' (92L/11W)
NANAIMO M.D. Approximately 18 kilometres southeast of Fort Rupert between the west fork of Keogh River and the headwaters of Washlawlis Creek; the Island Highway passes through the north end of the claims.
CLAIMS: E 23 to 31, 41 to 48, 50, 51, 52, 59 to 72, PAM (totalling 36 units).
OWNER: UTAH MINES LTD., Box 370, Port Hardy.
DESCRIPTION: Drilling intersected limy argillite of the Parson Bay Formation, Quatsino limestone, and Karmutsen volcanic rocks. Minor pyritic-chalcopyritic mineralization was observed at the Quatsino-Karmutsen contact.
WORK DONE: Diamond drilling, 1 NQ hole, totalling 256.6 metres, on E 42.
REFERENCE: Assessment Report 8235.

ISLAND COPPER (Fig. E-1, NTS 92, No. 360)

LOCATION: Lat. 50° 37.5' Long. 127° 30' (92L/11W, 12E)
NANAIMO M.D. The claims cover a large area on the northern tip of Vancouver Island, stretching from Rupert Inlet (western point) to Misty Lake (eastern point).
CLAIM: Island Copper mine.
OWNERS: Utah Mines Ltd. and G. Milbourne.
OPERATOR: UTAH MINES LTD., Box 370, Port Hardy.
METALS: Copper, molybdenum, gold, silver, lead, zinc.
WORK DONE: Topographical survey, 1:12 000, covering entire area.
REFERENCES: Mineral Inventory 92L-62, 99, 136-139, 158, 160; *B.C. Ministry of Energy, Mines & Pet. Res.*, Mining in British Columbia, 1975-1980, pp. 16, 17; Assessment Report 9305.

AMAZON (Fig. E-1, NTS 92, No. 361)

LOCATION: Lat. 50° 38' Long. 127° 26' (92L/11W)
NANAIMO M.D. Eleven kilometres south-southeast of Port Hardy, 3.5 kilometres north of Rupert Inlet.
CLAIMS: AMAZON 1 to 8 (1 unit each), AMI (8 units).
OWNERS: R. KLEIN and S. L. PACKARD, 1273 – 20th Street, North Vancouver V7P 2B8.
METAL: (Copper).
DESCRIPTION: The local area is underlain mainly by porphyritic andesite, agglomerate, and tuffs of the Triassic Bonanza Formation. Basalt flows of the older Karmutsen Formation lie to the northwest. Faulting trends northwest with occasional faults trending at right angles. Pyrite and minor chalcopyrite are common in both the Bonanza and Karmutsen Formations.
WORK DONE: Linecutting, 7.5 kilometres; ground electromagnetic survey, 7.5 kilometres; and geochemical survey, 5 rock samples analysed for multi-elements, on Amazon 3-8.
REFERENCES: Mineral Inventory 92L-290; Assessment Report 9811.

HAW, MUR, ADD (Fig. E-1, NTS 92, No. 367)

LOCATION: Lat. 50° 41.5' Long. 127° 45' (92L/12)
NANAIMO M.D. Approximately 19.5 kilometres northwest of Coal Harbour; the claims overlie the junction of Nahwitti River and Kains Creek.

CLAIMS: JR 1 to 12 (1 unit each).
OWNERS: R. STANWOOD and J. NELSON, Box 826, Port Hardy V0N 2P0.
METALS: Copper, gold, silver, zinc.
DESCRIPTION: Occurrences of marmatite in Quatsino limestone.
WORK DONE: Geological mapping; and trenching and stripping, on JR 3 and 4; geophysical survey, 27 900 square kilometres, on JR 3; assaying, 40 samples assayed and 3 spectrographic analyses done, on JR 3, 4, and 5; prospecting and line-cutting, on all claims.
REFERENCES: Mineral Inventory 92L-192, 194-196; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 263; 1971, p. 322; Assessment Report 8944.

COPPER KING (Fig. E-1, NTS 92, No. 362)

LOCATION: Lat. 50° 30.5' Long. 127° 35' (92L/12E)
NANAIMO M.D. Sixteen kilometres northwest of Port Alice, on the east shore of Neroutsos Inlet, covering Atkins Cove.
CLAIM: COVE (6 units).
OWNER: G. A. NOEL, 622, 510 West Hastings Street, Vancouver.
METAL: (Copper).
DESCRIPTION: Quatsino limestone (Upper Triassic) is in fault contact with volcanic flow rocks, tuffs, and breccias of the Bonanza Formation (Lower Jurassic). A westerly trending silicified zone in limestone contains chalcopyrite and pyrite.
WORK DONE: Geological mapping, 1:6000; and geochemical survey, 84 soil samples analysed for copper.
REFERENCES: Mineral Inventory 92L-60; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 97; *Geol. Surv., Canada*, Sum. Rept., 1929, Pt. A., p. 132; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 191; Assessment Reports 7427, 8060.

A (Fig. E-1, NTS 92, No. 365)

LOCATION: Lat. 50° 40' Long. 127° 41' (92L/12E)
NANAIMO M.D. Approximately 3.2 kilometres south of Kains Lake, 11 kilometres northwest of Coal Harbour.
CLAIM: ST (20 units).
OWNER: ELECTRA RESOURCES CORP., 907, 1112 West Pender Street, Vancouver V6E 2S1.
METALS: Copper, lead, zinc, silver.
DESCRIPTION: Lithologies encountered are quartz-eye feldspar porphyry intrusives, either as dykes or sills, feldspar hornblende porphyry intrusive, limestone and skarn, and massive amygdaloidal and porphyritic volcanic rocks. Sulphide mineralization occurs in skarn at contacts of both intrusive rocks. Typically the skarn is coarse-bladed dark green hornblende with minor epidote and calcite. Sulphides are sphalerite, pyrite, chalcopyrite, and galena.
WORK DONE: Geological mapping, 1:500; diamond drilling, 11 BQ holes, totalling 225.86 metres; and geochemical survey, 112 soil samples analysed for copper, lead, and zinc with 6 also for nickel and 17 rock samples analysed for copper, lead, zinc, silver, gold, molybdenum, and tungsten.
REFERENCES: Mineral Inventory 92L-239; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 191; Assessment Reports 7847, 8837.

EXPO (BOWERMAN) (Fig. E-1, NTS 92, No. 336)

LOCATION: Lat. 50° 41′ Long. 127° 48′ (92L/12W)
NANAIMO M.D. The claims run westward of Holberg a distance of approximately 16 kilometres.

CLAIMS: DON 1 to 16 Fractions, EXPO 1 to 18, 21 to 38, 41 Fraction, 42, 44 to 68, 71 to 78, 81 to 88, 93 to 98, 101 to 164, 177 to 390, 392 to 406, 417 to 426, 435 to 466, 483 to 492, 495 to 500, 501 to 504 Fraction, 521 to 530, 533, 534, 537 to 539, 541, 542, 547 to 552, 555 to 560, 562, 565, 566, 571 to 586, 615 to 630, 632 to 636, 638 to 640, 833 to 838, 850 to 869, 876 to 879, 882 to 891, 896, 1008 Fraction, 1011 Fraction, 1012 Fraction, HEP 1 to 76, 81 to 101, MOE 1 Fraction, MO 3 Fraction, MOE 1 to 4, T 1 Fraction to T 4 Fraction.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: Volcanic and sedimentary rocks of Triassic age are intruded by several plutons of varied size, some with associated breccia units.

WORK DONE: Geochemical survey, 151 rock samples, covering Expo 557, 558, 836, 385, 35, 37, 237, 239-241, 258, 260, 622, 878, Don 4 Fraction, Don 14 Fraction.

REFERENCES: Mineral Inventory 92L-131, 240; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 174; 1975, p. E 129; Assessment Reports 6184, 6531.

HPH (Fig. E-1, NTS 92, No. 370)

LOCATION: Lat. 50° 41.5′ Long. 127° 47′ (92L/12W)
NANAIMO M.D. Twenty-two kilometres west of Port Hardy, straddling the Nahwitti River, 2 kilometres from the east end of Nahwitti Lake.

CLAIMS: GOLD (12 units), DUST (3 units).

OWNER: LOREDI RESOURCES LTD., 1000, 789 West Pender Street, Vancouver V6C 1H6.

METALS: Silver, lead, zinc, copper, iron.

DESCRIPTION: The claims are underlain by volcanic and sedimentary units of the Vancouver Group intruded by granodiorite and diorite.

WORK DONE: Geological mapping; linecutting, 33.6 kilometres, on both claims; X-ray drilling, 1 143 metres; geochemical survey; 271 samples taken, on Dust.

REFERENCES: Mineral Inventory 92L-69, 241-243; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 261; Exploration in B.C., 1979, p. 191; Assessment Reports 870, 2205, 3055, 3609, 3954, 4180, 4472. 7566.

ST. CLAIR (Fig. E-1, NTS 92, No. 369)

LOCATION: Lat. 50° 41.5′ Long. 127° 49′ (92L/12W)
NANAIMO M.D. On northern Vancouver Island, 14 kilometres east-northeast of the community of Holberg, 1 kilometre southeast of the east end of Nahwitti Lake.

CLAIM: PATO (8 units).

OWNER: R. Philp.

OPERATOR: TALLY RESOURCES INC., 107, 325 Howe Street, Vancouver.

METALS: Copper, lead, zinc, molybdenum, (iron).

DESCRIPTION: Pyritic andesite and felsitic rocks and limestone of the Vancouver Group (Triassic-Jurassic) are intruded by granodiorite and diorite. Magnetite, pyrite, and pyrrhotite with minor chalcopyrite, sphalerite, galena, and molybdenite occur in skarn.

WORK DONE: 1979 – geological mapping, 1:2500; linecutting, 20.7 kilometres.

REFERENCES: Mineral Inventory 92L-75; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 191; Assessment Report 8069.

NORTH SHORE, LAKE (Fig. E-1, NTS 92, No. 371)

LOCATION: Lat. 50° 43' Long. 127° 52' (92L/12W)
NANAIMO M.D. On the northwest shore of Nahwitti Lake.

CLAIMS: LAKE, LAKE 2, 3, FT 1 to 13, JEAN 1 to 8.

OWNER: F. T. RUSSELL, RR 1, Heffley Creek V0E 1Z0.

METALS: Copper, silver, zinc.

DESCRIPTION: Chalcopyrite and lesser amounts of sphalerite and galena occur at the skarnified contact between mafic volcanic rocks of the Karmutsen Group and limestone of the Quatsino Formation, in shear zones and apparently associated with dykes.

WORK DONE: Trenching, 2 trenches, totalling 40 cubic metres, on Lake.

REFERENCES: Mineral Inventory 92L-77, 98; *Minister of Mines, B.C.*, Ann. Repts., 1968, p. 94; 1971, p. 323 (Jean, Lake); *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 129; 1978, p. E 182; Assessment Reports 1610, 5951.

SILTA, BOBMAC (Fig. E-1, NTS 92, No. 372)

LOCATION: Lat. 51° 00' Long. 127° 13' (92M/3E; 92L/14E)
Report on this property in section 92M/3E.

RIVERS INLET 92M

SILTA, BOBMAC (Fig. E-1, NTS 92, No. 372)

LOCATION: Lat. 51° 00' Long. 127° 13' (92M/3E; 92L/14E)
VANCOUVER M.D. Thirty-six kilometres northeast of Port Hardy and 5 kilometres south of Seymour Inlet, covering McKinnon and Nerahlmai Lagoons.

CLAIMS: WHELAKIS 1 to 3 (total 47 units), LEE 1 to 3 (total 37 units), MINE 1, 2 (1 unit each).

OWNER: FRANK BEBAN LOGGING LTD., 3249 Ross Road, Nanaimo V9T 2S3.

METAL: Gold.

DESCRIPTION: A sequence of pyritic metavolcanic and sedimentary rocks forms a roof pendant in a granodiorite stock. The main showing consists of pyrite, galena, minor chalcopyrite, and sphalerite in quartz veins which cut slaty argillite.

WORK DONE: Geological mapping, 1:20, 1:500; and geochemical survey, 8 samples analysed for gold, arsenic, silver, lead, iron, and sulphur, on all claims; ground electromagnetic survey, 1.2 kilometres; and ground magnetometer survey, 2.2 kilometres, on Whelakis, and Mine 1, 2.

REFERENCES: Mineral Inventory 92L-178, 179; *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 218; Assessment Reports 4252, 7991.

MOUNT WADDINGTON 92N

NORFA 18, 20 (Fig. E-1, NTS 92, No. 374)

LOCATION: Lat. 51° 11′ Long. 124° 15′ (92N/1)
CLINTON M.D. Approximately 220 kilometres north-northeast of Vancouver, on the southwest side of Chilko Lake and the south shore of Franklyn Arm, covering Good Hope and Deschamps Creeks.

CLAIMS: CT 1 to 12, 14 to 21, 23 to 25 (20 units each).

OWNER: CANADA TUNGSTEN MINING CORP. LTD., Box 12525, Suite 1600, 1600 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Three granodiorite plutonic stocks of Jurassic (?) and Late Cretaceous-Early Tertiary age intrude Triassic to Cretaceous metavolcanic and metasedimentary rocks. Pyrite, pyrrhotite, and very minor chalcopyrite and molybdenite occur in contact areas. No mineralization of economic interest was found.

WORK DONE: Geological mapping, 1:25 000; and geochemical survey, 665 silt samples analysed for copper, molybdenum, tungsten, silver, and gold and 27 heavy mineral samples analysed for multi-elements, on all claims.

REFERENCES: Mineral Inventory 92N-14, 15; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 325; Assessment Reports 3271, 3477, 3948, 7156, 8295.

DUCHARNE (DAISY) (Fig. E-1, NTS 92, No. 373)

LOCATION: Lat. 51° 11′ Long. 124° 12′ (92N/1E)
CLINTON M.D. Approximately 7 kilometres southwest of the junction of Franklyn Arm and Chilko Lake; Deschamps Creek cuts through the northwest of the claim group.

CLAIMS: DAISY 1 to 8.

OWNER: GORDON RESOURCES LTD., 1018, 470 Granville Street, Vancouver V6C 1V5.

METALS: Copper, molybdenum, tungsten.

DESCRIPTION: Mineral showings occur in a band, 60 metres by 125 metres, of limestone and skarn which is flanked by impure limestone, argillite, tuff, andesite, and agglomerate. These are intruded by lamprophyre, feldspar porphyry, and diorite dykes. A stock of fine-grained diorite underlies Daisie 1 and 3 claims. Mineralization consists of chalcopyrite, pyrite, pyrrhotite, molybdenite, arsenopyrite, and scheelite.

WORK DONE: Diamond drilling, 6 AX holes, totalling 336.81 metres, on Daisie 3 and 4; geological mapping, 1:5000, 1:100, 1:25 000; 4 heavy mineral samples taken; and geochemical survey, 303 soil, 23 silt, and 53 rock samples taken; topographical survey, covering all claims.

REFERENCES: Mineral Inventory 92N-26; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 183; Assessment Reports 5712, 7156, 7574, 8682.

HOODOO (Fig. E-1, NTS 92, No. 376)

LOCATION: Lat. 51° 20′ Long. 125° 30′ (92N/5E, 6W)
VANCOUVER M.D. Approximately 17 kilometres southeast of the junction of Dorothy Creek and Klinaklini River, with the northern tailwaters of Hoodoo Creek cutting into the northern part of the claim.

CLAIM: HOODOO (15 units).

OWNER: Dimac Resources Corp.

OPERATOR: ENERGEX MINERALS LTD., 900, 850 West Hastings Street, Vancouver.

DESCRIPTION: The property is underlain mainly by a foliated quartz diorite cut by younger intrusive rocks. The youngest intrusion appears to be quartz-pyrite and pyrite veining including minor sphalerite, galena, and chalcopyrite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 21 silt, 18 soil, and 46 rock samples, covering Hoodoo.

REFERENCE: Assessment Report 9508.

HOODOO (VAN, BZT) (Fig. E-1, NTS 92, No. 375)

LOCATION: Lat. 51° 21′ Long. 125° 36′ (92N/5E)
VANCOUVER M.D. Thirty-two kilometres north of the head of Knight Inlet on Hoodoo Creek, an eastern tributary of the Klinaklini River.

CLAIMS: BZT 1 to 9 (totalling 103 units).

OWNER: Amax of Canada Ltd.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.

METALS: (Copper, molybdenum).

DESCRIPTION: The claims are underlain by the Coast Crystalline tectonic belt of gneisses, schists, and granitoid rocks (Mesozoic and Early Triassic). Pyrite, minor chalcopyrite, and molybdenite occur in quartz veinlets and disseminations within intrusive breccia, dacite dykes, and quartz porphyry dykes.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 345 rock and 97 soil samples analysed for copper, molybdenum, zinc, gold, and silver, covering all claims; diamond drilling, 5 NQ holes, totalling 1 317.9 metres, on BZT 7.

REFERENCES: Mineral Inventory 92N-29, 34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 183; 1979, p. 192; Assessment Reports 1668, 6819, 7415, 8218.

BIG FRANK (Fig. E-1, NTS 92, No. 377)

LOCATION: Lat. 51° 17.5′ Long. 125° 24.5′ (92N/6W)
VANCOUVER M.D. Approximately 13.6 kilometres southwest of Mount Waddington.

CLAIMS: BIG FRANK 1 and 2 (8 units each).

OWNER: MacMILLAN ENERGY CORP., 209, 9231 – 120th Street, Delta V4C 6R8.

DESCRIPTION: The oldest rocks are Coast Range granodiorites and quartz diorites in the northeasterly part. They are overlain by little-altered volcanic agglomerates and flows. Quartz monzonites and biotite quartz monzonites, probably Tertiary, intrude the Coast Range rocks and the overlying volcanic rocks. Alteration of the quartz monzonites to sericite, kaolin, with silicification, is noted.

WORK DONE: Geological mapping, 1:5000; linecutting, 11.5 kilometres; ground magnetometer survey, 11.5 kilometres; and geochemical survey, 11 silt and 116 soil samples analysed for copper and molybdenum and 30 rock samples analysed for copper, molybdenum, silver, and gold; 34 channel samples assayed for gold, silver, copper, and molybdenum, covering Big Frank 1, 2.

REFERENCE: Assessment Report 8744.

MORRIS MINE (Fig. E-1, NTS 92, No. 378)

LOCATION: Lat. 51° 25′ Long. 124° 25′ (92N/8W)
CLINTON M.D. Approximately 4.5 kilometres southeast of Tatlayoko Lake, approximately 3 kilometres east of Nostretuko River.

CLAIMS: TATLICO 1, 2 (9 units each), JB 1, 2 (1 unit each), TATLICO (Lot 699), TYEE (Lot 700), ISSAC T (Lot 701), SPOKANE (Lot 702), COPPER DYKE EXTENSION (Lot 703), COPPER DYKE (Lot 704).

OWNER: STRYKER RESOURCES LTD., 3578 West 47th Avenue, Vancouver V6N 3P1.

METALS: Gold, silver, antimony, (copper).

DESCRIPTION: The rocks are sheared and folded mudstone, argillite, and sandstone with interbedded andesite and basalt. Quartz diorite intrusives occur throughout the property; swarms of quartz feldspar porphyry dykes and basalt dykes cut the sedimentary rocks. Sedimentary rocks are cut by faults which are older than the quartz veins. Basalt dykes cut the veins.

WORK DONE: Geological mapping, 1:12 000, 1:30 000, 1:450; 28 samples taken.

REFERENCES: Mineral Inventory 92N-1, 2, 24; *Minister of Mines, B.C.*, Ann. Repts., 1910, p. 156; 1916, p. 169; 1920, p. 214; 1921, p. 215; 1934, F12; 1935, F29; Assessment Reports 1663, 8320.

JODI, ROB (Fig. E-1, NTS 92, No. 379)

LOCATION: Lat. 51° 32′ Long. 124° 35′ (92N/10E)
CLINTON M.D. Approximately 23 kilometres west-southwest of Tatlayoko Lake; Valleau Creek has branches from its main stream flow into the centre of the property.

CLAIMS: ROB 1, 2, JODI 1, 2 (18 units each).

OWNER: D. W. Merrick.

OPERATOR: WHARF RESOURCES LTD., 1015, 837 West Hastings Street, Vancouver V6C 1C4.

DESCRIPTION: Conglomerates, arkoses, minor shales, and basaltic flow rocks are intruded by a small plug of hornblende diorite. The contact zone includes gossanous material.

WORK DONE: Prospecting; geological mapping, 1:75 000.

REFERENCE: Assessment Report 8577.

PW (Fig. E-1, NTS 92, No. 381)

LOCATION: Lat. 51° 36′ Long. 125° 04′ (92N/11E)
CLINTON M.D. Approximately 5.3 kilometres north-northwest of the mouth of Mosley Creek and Twist Lake.

CLAIMS: KENO 1 (6 units), KENO 2 (4 units), KENO 3 (6 units), KENO 4 (4 units).

OWNER: A. M. DeQUADROS, 2741 Chesterfield Avenue, North Vancouver V7N 3M5.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by three phases of the Coast Crystalline Complex: a gneissose biotite-feldspar granite or granodiorite, a massive biotite granite, and a dyke-like body of very coarse and highly fractured biotite granite which forms the core of the assemblage. Numerous quartz veins occur within this unit.

WORK DONE: Geological mapping 1:5555.5, on Keno 1, 3, 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1975, p. 116; Mineral Inventory 92N-42; Assessment Reports 5495, 9158.

VB (Fig. E-1, NTS 92, No. 380)

LOCATION: Lat. 51° 37' Long. 125° 03' (92N/11E)
CLINTON M.D. Approximately 250 kilometres west of Williams Lake and 50 kilometres southwest of Tatla Lake, between Twist Creek and Hell Raving Creek; the headwaters of Sand Creek run east through the claims.

CLAIMS: SAND (20 units), SAND 2 (15 units), SAND 3 (18 units), SAND 4 (16 units), SAND 5 (12 units).

OWNER: Esperanza Explorations Ltd.

OPERATOR: CANADIAN NICKEL CO. LTD., 160, 10451 Shellbridge Way, Richmond.

DESCRIPTION: The claims are underlain by a series of Late Cretaceous dioritic intrusives, biotite schists, amphibolitic gneisses, granodioritic intrusives which were intruded by granitic dykes, and trachyte dykes of Late Tertiary age.

WORK DONE: 1979 – prospecting; 1980 – geological mapping, 1:5000; diamond drilling, 2 BQ holes, totalling 945 metres; and geochemical survey, 38 silt samples analysed for multi-elements, on Sand, Sand 1-3, 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 219; Exploration in B.C., 1975, p. E 116; Mineral Inventory 92N-13, 32; Assessment Reports 2942, 3809, 5494, 5501, 8115, 8345.

EAST FLANK (Fig. E-1, NTS 92, No. 382)

LOCATION: Lat. 51° 50' Long. 124° 39' (92N/15E)
CARIBOO M.D. Approximately 10 kilometres southwest of Tatla Lake townsite and 3 kilometres south of Patterson Lake (the southern shore).

CLAIM: EAST FLANK 1 (12 units).

OWNER: J. W. MORTON, General Delivery, Alexis Creek V0L 1A0.

DESCRIPTION: Granodiorite is exposed in the northwest and southeast regions of the claim group; the remainder is concealed by overburden but large, angular blocks of andesite-basalt breccia are common on the surface. Stream bed samples indicate uranium.

WORK DONE: Geological mapping, 1:3000.

REFERENCE: Assessment Report 8319.

TASEKO LAKES 92O

TASEKO AREA (Fig. E-1, NTS 92, No. 456)

LOCATION: REGIONAL SURVEY (92J/9, 10, 15, 16; 92O/1-4).
Report on this property in section 92J/9.

BIG BAR (Fig. E-1, NTS 92, No. 383)

LOCATION: Lat. 51° 11′ Long. 122° 08′ (92O/1E)
CLINTON M.D. Forty kilometres west-northwest of Clinton, immediately south of the Fraser River opposite the Big Bar Creek ferry crossing.
CLAIMS: BIG BAR, BIG BAR TOO, BIG BAR 3, 4, BIG BAR 6 to 8 (total 69 units).
OWNER: KERR ADDISON MINES LTD., 703, 1112 West Pender Street, Vancouver.
METAL: (Gold).
DESCRIPTION: Mineralized quartz-carbonate veins occur in Kingsvale volcanic rocks near the contact between overlying grey-green andesite flow rocks and underlying purple basalt flow rocks and clastics. The contact dips 50 degrees to the east.
WORK DONE: Percussion drilling, 39 holes, totalling 2 078 metres, on Big Bar and Big Bar Too; diamond drilling, 4 NQ holes, totalling 616 metres; and trenching, 8 trenches, totalling 80 metres, on Big Bar; geochemical survey, 1 600 soil samples analysed for gold and arsenic on Big Bar 4, 6-8.
REFERENCE: Assessment Report 8142.

TUNGSTEN QUEEN (Fig. E-1, NTS 92, No. 388)

LOCATION: Lat. 51° 02′ Long. 122° 45′ (92O/2)
LILLOOET M.D. Approximately 2.5 kilometres southeast from the Tyaughton and Mud Creek junction; on either side of Tyaughton Creek with the southernmost claim extending past Noaxe Creek.
CLAIMS: TY 1 to 6, SANDY 2 to 4, QUEEN Fraction, MERCURY 1A, CUB, WOLF (total 69 units).
OWNERS: Western Mines Ltd. and F. C. Westbrook.
OPERATOR: WESTERN MINES LTD., 1103, 595 Burrard Street, Vancouver.
METAL: Tungsten.
DESCRIPTION: The property is underlain by Middle Triassic Bride River Group rocks consisting of argillite, shale, siliceous dolomite, dolomitized limestone, basalts, tuffs, and greywackes. These are intruded by a feldspar-biotite porphyry. Scheelite and stibnite were noted in quartz and calcite veins near the old Tungsten Queen and King workings.
WORK DONE: Geochemical surveys, 37 silt, 976 soil, and 5 rock samples analysed on all claims except TY 2; 175 soil samples analysed for tungsten, on Sandy 2-4, Queen Fraction.
REFERENCES: Mineral Inventory 92O-18, 19, 22; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 186; Exploration in B.C., 1977, p. E 176, Assessment Reports 6287, 8344, 9324.

ELIZABETH (Fig. E-1, NTS 92, No. 386)

LOCATION: Lat. 51° 02′ Long. 122° 32′ (92O/2E)
LILLOOET M.D. Thirty-one kilometres southwest of the settlement of Big Bar Creek, on the southeast slope of Big Dog Mountain.
CLAIMS: ELIZABETH 1 to 4 (Lots 4700 to 7403).
OWNER: Mrs. E. H. White.
OPERATOR: PRISM RESOURCES LTD., Third Floor, 744 West Hastings Street, Vancouver V6C 1A5.
METAL: Gold.

DESCRIPTION: Northeasterly trending, gold-bearing quartz veins in dioritic porphyries. The diorites intrude peridotite of the Shulaps Range ultrabasic mass.

WORK DONE: Geological mapping, 1:1000; and sampling, on Elizabeth 1.

REFERENCES: Mineral Inventory 92O-12; ***Minister of Mines, B.C.***, Ann. Repts., 1941, p. 58; 1946, p. 98; 1947, p. 132; 1948, p. 95; 1949, p. 104; 1950, p. 107; 1951, p. 121; 1952, p. 111; 1953, p. 98; 1956, p. 37; 1957, p. 22; Assessment Report 9254.

BIG (Fig. E-1, NTS 92, No. 387)

LOCATION: Lat. 51° 02' Long. 122° 39.5' (92O/2E)
LILLOOET M.D. Approximately 11 kilometres northeast to the junction of Yalakom River and Evelyn Creek, with Noaxe Lake approximately 4 kilometres north.

CLAIM: BIG (20 units).

OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain by andesites and rhyolite volcanic rocks (Eocene). These are underlain by Triassic-Cretaceous sedimentary rocks of argillites, cherts, and conglomerate. Intrusive into the sedimentary rocks is a granodiorite-diorite body (Cretaceous). Pervasive disseminated pyrite occurs in granodiorite and rhyolite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 38 soil, 18 silt, and 15 rock samples analysed.

REFERENCE: Assessment Report 9254.

COLT, HILL (Fig. E-1, NTS 92, No. 384)

LOCATION: Lat. 51° 08' Long. 122° 35' (92O/2E)
LILLOOET M.D. Sixty-eight kilometres northwest of Lillooet on Poison Mountain near the headwaters of Churn Creek and Yalakom River.

CLAIMS: POISON NE, NW, SE, SW (total 56 units).

OWNER: M. Boe.

OPERATOR: MAHOGANY MINING CO. LTD., 1006, 750 West Pender Street, Vancouver.

METALS: Copper, antimony.

DESCRIPTION: Interbedded greywacke, siltstone, argillite, and conglomerate (Jurassic-Cretaceous) are intruded by feldspar porphyry monzonite.

WORK DONE: Linecutting, 43 kilometres; and geochemical survey, 594 soil samples analysed for copper and lead, on Poisen.

REFERENCES: Mineral Inventory 92O-61, 62; ***Minister of Mines, B.C.***, Ann. Repts., 1966, p. 136; 1967, p. 128; ***B.C. Ministry of Energy, Mines & Pet. Res.***, GEM, 1970, p. 216; Assessment Reports 968, 8180.

POISON MOUNTAIN (COPPER, PM) (Fig. E-1, NTS 92, No. 385)

LOCATION: Lat. 51° 08' Long. 122° 38' (92O/2E)
CLINTON M.D. Eighty-four kilometres northwest of Lillooet at the junction of Churn and Poisonmount Creeks, immediately west of Poison Mountain.

CLAIMS: REX 201 to 221 (total 256 units).

OWNER: Homestake Mineral Development Co.

OPERATOR: LONG LAC MINERAL EXPLORATION LTD., 470, 1055 West Hastings Street, Vancouver V2E 2E9.

METALS: Copper, molybdenum, gold, silver.

DESCRIPTION: Jurassic-Cretaceous sedimentary rocks are intruded by at least four phases of Eocene (?) intrusives. Sedimentary rocks consist of greywackes, argillites, and minor conglomerates, mudstones, and siltstones, hornfelsed at and near intrusive contacts. Intrusives are feldspar porphyry, hornblende porphyry, biotite porphyry, and hornblende biotite porphyry.

WORK DONE: Diamond drilling, 29 NQ holes, totalling 6 803 metres, on Rex 206, 208, 209; percussion drilling, 184 holes, totalling 15 277 metres, on Rex 205, 206, 208, 209; trenching, 3 road cuts, 180 metres, on Rex 208, 201; and geochemical survey, 100 soil samples analysed for gold, molybdenum, and copper, on Rex 205.

REFERENCES: Mineral Inventory 92O-46-48; *CIM*, Spec. Vol. 15, 1976 (Porphyry Deposits of the Canadian Cordillera), pp. 323-328; *Minister of Mines, B.C.*, Ann. Repts., 1946, p. 101, 1956, p. 35; 1961, p. 24; 1966, p. 136; 1967, p. 127; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 216; 1971, p. 326; Exploration in B.C., 1979, p. 194; Assessment Reports 278, 411, 968, 7802, 8874.

LUCKY STRIKE (Fig. E-1, NTS 92, No. 333)

LOCATION: Lat. 51° 00′ Long. 122° 53′ (92J/15W, 92O/2W)
Report on this property in section 92J/15W.

BONANZA, ROBSON (Fig. E-1, NTS 92, No. 392)

LOCATION: Lat. 51° 01′ Long. 122° 53′ (92O/2W)
LILLOOET M.D. Fifty-four kilometres southwest of the community of Big Bar Creek, 2 kilometres northwest of Eldorado Mountain.

CLAIMS: NEA Fraction, OX, HI GRADE Fraction, JG Fraction, JG 2 to 7, K 2, K 4 to 6, WG, WG Fraction, ANN, ANN 1, A 2 to 8, TAX Fraction, B 1 to 8, VISTA, TROLL (8 units), TROLL 1 to 3 Fractions.

OWNER: MUTUAL RESOURCES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.

METALS: Gold, silver, antimony, lead.

DESCRIPTION: Gold occurs in narrow veinlets and veins associated with arsenopyrite in a siliceous chalcedonic zone trending northeasterly within an intrusive quartz diorite stock of Late Cretaceous-Early Tertiary age. One larger vein (Robson) occurs in Hurley Formation argillites just north of the intrusive contact.

WORK DONE: Trenching, 13 trenches, 6 500 metres, on K 5, WG FR., A 4-A 6, A 8, B 1, B 2, WG, Vista.

REFERENCES: Mineral Inventory 92O-26; *Minister of Mines, B.C.*, Ann. Rept., 1913, pp. 266-270; 1925, pp. 142, 143; 1933, pp. 268, 269; 1940, pp. 59, 60; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 118, E 119; 1976, p. E 130 (Robson); 1979, pp. 194, 195; Assessment Reports 5659, 6002.

CASTLE (Fig. E-1, NTS 92, No. 390)

LOCATION: Lat. 51° 04.5' Long. 122° 58' (92O/2W)
LILLOOET M.D. Approximately 58 kilometres northwest to the most northern tip of Taseko Lakes, with Spruce Lake approximately 6 kilometres south.

CLAIM: CASTLE (20 units).

OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by basic to acidic volcanic rocks of the Chilcoten Group (Mesozoic-Cenozoic) and conglomerate, sandstone, limestone, greywacke, and cherty sedimentary rocks of the Tyaughton Group (Upper Triassic). Pyrite was noted in the rhyolites as well as a small outcrop of siderite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 31 soil, 18 silt, and 15 rock samples analysed, on Castle.

REFERENCE: Assessment Report 9255.

MUD (Fig. E-1, NTS 92, No. 389)

LOCATION: Lat. 51° 06' Long. 122° 47.5' (92O/2W)
LILLOOET M.D. Approximately 47 kilometres west-southwest of the community of Big Bar Creek, lying 5 kilometres north of the junction of Relay Creek and Mud Creek.

CLAIMS: MUD (20 units), RELAY (20 units).

OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by interbedded northwest-striking sedimentary rocks that appear to form a northwest-trending fold. Andesite dykes cut the sedimentary rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 8 rock, 11 soil, and 31 silt samples analysed, on both claims.

REFERENCE: Assessment Report 9256.

NIC (Fig. E-1,NTS 92, No. 391)

LOCATION: Lat. 51° 09' Long. 122° 47' (92O/2W)
LILLOOET and CLINTON M.D. Approximately 10 kilometres south to the junction of Tyaughton Creek and Relay Creek, with a tributary from Nicodemas Creek flowing into the property.

CLAIM: NIC (20 units).

OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claim group is underlain by interbedded volcanic and sedimentary rock. Frequent gossans within the sedimentary rocks indicate sporadic intense pyritization.

WORK DONE: Geological mapping, 1:10 000; geochemical survey, 24 soil, 10 silt, and 5 rock samples analysed, on Nic.

REFERENCE: Assessment Report 9252.

B (Fig. E-1, NTS 92, No. 395)

LOCATION: Lat. 51° 11′ Long. 122° 55′ (92O/2W)
CLINTON M.D. Approximately 9.8 kilometres north-northwest of Relay Creek and junction of Paradise Creek; the properties have Relay Creek flowing through all of them.

CLAIMS: RELAY 1 (20 units), RELAY 2 (18 units), RELAY 3 (20 units).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: (Copper, molybdenum).

DESCRIPTION: The claims are underlain by Late Mesozoic clastic sedimentary rocks of the Kingsvale and Taylor Creek Groups intruded by feldspar porphyry sills. Two areas of weak copper-molybdenum mineralization are present. Evidence found that gold mineralization may be directly related to porphyry sills.

WORK DONE: Geological mapping, 1:10 000; road building, 28 kilometres, and geochemical survey, 472 soil and 112 silt samples analysed for copper, molybdenum, gold, and arsenic, on all claims.

REFERENCES: Mineral Inventory 92O-65; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 266; Assessment Report 8866.

DASH (Fig. E-1, NTS 92, No. 393)

LOCATION: Lat. 51° 13′ Long. 122° 55′ (92O/2W)
CLINTON M.D. Approximately 10.4 kilometres north-northwest of the junction of Relay Creek and Paradise Creek.

CLAIMS: DASH 1 and 2 (20 units each), DASH 3 (8 units), DASH 4 (12 units), DASH 5 (20 units), DASH 6 (8 units), DASH 7 (20 units).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

DESCRIPTION: The claims are underlain by Late Mesozoic clastic sedimentary rocks and lesser volcanic rocks intruded by feldspar porphyry dykes and sills and a linear, fault-bounded ultrabasic body. A number of strong north-northwesterly trending faults transect the property. No mineralization has been found on the claims.

WORK DONE: 1979 – geochemical survey, 363 soil and 140 silt samples analysed for gold and arsenic, on all claims; 1980 – geological mapping, 1:10 000; road building, 10.5 kilometres; and geochemical survey, 900 soil samples analysed for gold and arsenic, on all claims.

REFERENCES: Assessment Reports 8020, 8888.

X, Y, Z (Fig. E-1, NTS 92, No. 394)

LOCATION: Lat. 51° 11′ Long. 123° 00′ (92O/2W, 3E)
LILLOOET and CLINTON M.D. Approximately 46 kilometres northwest of Bralorne; the claims follow Relay Creek from near the headwaters to immediately south of Prentice Lake.

CLAIMS: KEV, TOM, JOE, JIM, NORM, AL (20 units each).

OWNER: N. A. Pearson.

OPERATOR: CLEAR MINES LTD., 1004, 789 West Pender Street, Vancouver.

METALS: (Copper, molybdenum).

DESCRIPTION: Sedimentary rocks of the Taylor Creek and Kingsvale Groups are intruded by felsite and feldspar porphyries (Eocene) containing porphyry-type pyrite, chalcopyrite, molybdenite, magnetite, and pyrrhotite mineralization.

WORK DONE: Airborne electromagnetic, magnetometer, and radiometric surveys, each approximately 120 kilometres, on all claims.

REFERENCES: Mineral Inventory 92O-64; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 266; Assessment Report 8243.

NAD (Fig. E-1, NTS 92, No. 403)

LOCATION: Lat. 51° 15' Long. 123° 15' (92O/3, 6)
CLINTON M.D. Approximately 13.8 kilometres north-northwest of the junction of Big Creek and Sluice Creek; Nadila Creek flows through the centre of the property.

CLAIMS: NAD 1 to 19 (total 332 units).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

DESCRIPTION: The oldest rocks are sedimentary and lesser volcanic rocks of the Lower Cretaceous Taylor Creek Group in a north-northwest-trending band cut by numerous feldspar porphyry dykes. Unconformably overlying the Taylor Creek Group and the intrusive rocks are sedimentary and volcanic rocks of the Late Cretaceous Kingsvale Group. These are overlain by Miocene plateau basalts.

WORK DONE: Geological mapping, 1:5000; linecutting, 45 kilometres; and geochemical survey, 861 soil samples analysed for gold, arsenic, copper, and molybdenum, on Nad 5-8.

REFERENCE: Assessment Report 8891.

WARNER CREEK (Fig. E-1, NTS 92, No. 398)

LOCATION: Lat. 51° 03' Long. 123° 12.5' (92O/3E)
LILLOOET M.D. Approximately 9.5 kilometres southwest from where Big Creek runs into Lorna Lake; the claim group lies 2.5 kilometres south of Mount Warner.

CLAIMS: WARNER 1 (14 units), WARNER 2 (14 units), SH 2 (12 units).

OWNER: DuPont of Canada Exploration Ltd.

OPERATOR: KERR, DAWSON & ASSOCIATES LTD., 1, 219 Victoria Street, Kamloops.

METAL: Iron.

DESCRIPTION: The property is underlain by andesitic fragmentals, flows, and sedimentary rocks of the Upper Cretaceous Kingsvale Group. At the southwest corner of the area is an Upper Cretaceous granodiorite pluton. On the north and south flanks of Warner Creek are two limonitic zones thought to be related to pyritized rhyolite or highly altered porphyries. Molybdenite occurs in granitic float, chalcopyrite in andesite talus.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 499 soil, 45 silt, and 76 rock samples analysed for molybdenum, copper, gold, and silver, on Warner 1 and 2.

REFERENCES: Mineral Inventory 92O-75; *Minister of Mines, B.C.*, Ann. Rept., 1920, p. 179; Assessment Report 8472.

GWMS (Fig. E-1, NTS 92, No. 400)

LOCATION: Lat. 51° 04′ Long. 123° 05′ (92O/3E)
LILLOOET M.D. Thirty kilometres northwest of Gold Bridge (northwest of Lillooet), approximately 3 kilometres south of the junction of Tyaughton and Lizard Creeks.
CLAIM: GWMS (16 units).
OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION: The property is underlain chiefly by Lower Cretaceous Taylor Creek Group and Relay Mountain Group, both of argillaceous sedimentary rocks and in fault contact along a northwest-southeast shear. These are unconformably overlain by Upper Cretaceous Kingsvale volcanic rocks, also truncated by the northwest-southeast shear. All are intruded by Eocene felsite intrusives.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 38 soil, 3 silt, and 1 rock sample analysed for gold, silver, copper, lead, and zinc, on Gwms.
REFERENCE: Assessment Report 8983.

TYON (Fig. E-1, NTS 92, No. 401)

LOCATION: Lat. 51° 05.5′ Long. 123° 01.5′ (92O/3E)
LILLOOET M.D. Approximately 12 kilometres southeast of Lorna Lake, about 3 kilometres southeast of the junction of Lizard Creek and Tyaughton Creek.
CLAIM: TYON (20 units).
OWNER: PRISM RESOURCES LTD., Third Floor, 744 West Hastings Street, Vancouver.
DESCRIPTION: The claim is underlain by greywacke, argillites, and shales of the lower Middle Jurassic Tyaughton Group intruded by Eocene felsic rocks. Pyrite, chalcopyrite, and magnetite occur as disseminations and thin fracture fillings.
WORK DONE: Geochemical survey, 168 soil samples analysed for copper, molybdenum, lead, silver, and gold.
REFERENCE: Assessment Report 9196.

THUNDER (Fig. E-1, NTS 92, No. 402)

LOCATION: Lat. 51° 10′ Long. 123° 04′ (92O/3E)
CLINTON M.D. Approximately 5 kilometres due east of the junction of Grant Creek and Big Creek, with tributaries from Graveyard Creek running through the claim.
CLAIMS: THUNDER 1 and 2 (20 units each), THUNDER 3 (4 units), THUNDER 4 to 6 (20 units each), THUNDER 7 (12 units).
OWNER: PAN OCEAN OIL LTD., 300 Fifth Avenue SW, Calgary, Alberta.
DESCRIPTION: The property is underlain by chert pebble conglomerates, shales, siltstones, greywackes, argillites, and limestones of the Kingsvale Group, Taylor Group, and Relay Mountain Group. These rocks are cut by quartz veins and monzonite stocks and dykes.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 34 silt and 113 rock samples analysed, on all claims.
REFERENCE: Assessment Report 9441.

TOSH (Fig. E-1, NTS 92, No. 399)

LOCATION: Lat. 51° 10′ Long. 123° 09′ (92O/3E)
CLINTON and LILLOOET M.D. Approximately 6.9 kilometres north-northeast of Lorna Lake and the mouth of Big Creek (Big Creek flows through Tosh 2 and 3).

CLAIMS: TOSH 1 to 4 (20 units each), TOSH 5 (9 units), TOSH 6 (8 units), TOSH 7 (12 units), TOSH 8 (20 units).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

DESCRIPTION: The claims are underlain by Middle Jurassic-Lower Cretaceous Relay Mountain Group of greywacke, quartzite, and siltstone and Taylor Creek Group argillite and siltstone. These are cut by small dykes and sills of feldspar porphyry. Younger rocks are volcanic facies of the Kingsvale Group and Miocene plateau basalt. Pyrite, galena, sphalerite, and quartz occur.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 406 soil samples analysed for gold, arsenic, copper, and antimony, on all claims.

REFERENCE: Assessment Report 8890.

DASH (Fig. E-1, NTS 92 No. 396)

LOCATION: Lat. 51° 13′ Long. 123° 05′ (92O/3E)
CLINTON M.D. Approximately 11 kilometres north of the junction of Lizard Creek and Tyaughton Creek, 3 kilometres west of the junction of Big Creek and Tosh Creek.

CLAIM: DASH (20 units).

OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by Lower Cretaceous Taylor Creek Group and Upper Cretaceous Kingsvale Group sedimentary rocks intruded by granodiorite stock. Quartz-carbonate alteration appears to carry minor sulphides of variable percentages in the sedimentary rocks along many of the igneous contacts.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 2 rock and 30 silt samples analysed, on Dash.

REFERENCE: Assessment Report 9228.

HILL (Fig. E-1, NTS 92, No. 397)

LOCATION: Lat. 51° 14′ Long. 123° 06′ (92O/3E)
CLINTON M.D. Approximately 15 kilometres north-northwest of the junction of Lizard Creek and Tyaughton Creek, approximately 2 kilometres east of Big Creek.

CLAIM: HILL (12 units).

OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by sedimentary rocks of Kingsvale and Taylor Creek (Lower-Upper Cretaceous) Groups intruded by Eocene granodiorites. Magnetite and minor disseminated pyrite are associated with the rhyolites and andesites of the Taylor Creek Group.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 32 soil, 2 silt, and 1 rock sample analysed on Hill.
REFERENCE: Assessment Report 9229.

MOR (Fig. E-1, NTS 92, No. 315)

LOCATION: Lat. 51° 00′ Long. 123° 38′ (92J/13E; 92O/4E)
Report on this property in Metals section 92J/13E.

HI DO (Fig. E-1, NTS 92, No. 406)

LOCATION: Lat. 51° 06′ Long. 123° 36′ (92O/4E)
CLINTON M.D. Seven kilometres southwest of Upper Taseko Lake, 2 kilometres northeast of Mount McLeod.
CLAIMS: LORD 1 and 2 (20 units each), HI 1 to 4.
OWNER: LORD RIVER GOLD MINES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.
METALS: Gold, silver.
DESCRIPTION: A series of shattered, oxidized quartz veins containing pyrite, chalcopyrite, gold, and silver cut Coast Range granodiorite.
WORK DONE: Road building, 64.37 kilometres, and portal sites prepared.
REFERENCES: Mineral Inventory 92O-45; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 267; Assessment Report 9561.

BEE (Fig. E-1, NTS 92, No. 405)

LOCATION: Lat. 51° 06′ Long. 123° 39′ (92O/4E)
CLINTON M.D. Approximately 8 kilometres west of Lord River; Falls River hits the southeast corner of the property.
CLAIMS: BEE, FALL (20 units each).
OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The property is located in the southwest portion of the Intermontane Belt fringing the Coast Mountains. Lower Cretaceous-Eocene granodiorite is underlain by Lower Cretaceous volcanic-sedimentary rocks of the Taylor Creek Group.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 14 soil, 44 silt, and 7 rock samples analysed, on both claims.
REFERENCE: Assessment Report 9226.

KAZ (Fig. E-1, NTS 92, No. 404)

LOCATION: Lat. 51° 08′ Long. 123° 44′ (92O/4E)
CLINTON M.D. Approximately 12 kilometres west of the junction of Falls and Lord Rivers, 2 kilometres south of Tchaikazan River.
CLAIM: KAZ (20 units).
OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The Bendor stock (Eocene) intrudes Taylor Creek Group volcanic-sedimentary rocks (Lower Cretaceous). Disseminated pyrite with minor carbonate alteration and silicification occurs throughout the volcanic and sedimentary rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 28 soil, 4 silt, and 3 rock samples analysed.

REFERENCE: Assessment Report 9227.

SARAH (Fig. E-1, NTS 92, No. 408)

LOCATION: Lat. 51° 10′ Long. 123° 37′ (92O/4E)
CLINTON M.D. Approximately 4 kilometres due west of the most southern tip of Upper Taseko Lake.

CLAIM: SARAH (9 units).

OWNER: S. POLISCHUK, Box 1397, Lillooet.

DESCRIPTION: Malachite occurs in rocks of undetermined composition.

WORK DONE: Geological mapping, 1:8000.

REFERENCE: Assessment Report 9561.

BANNER (CHITA) (Fig. E-1, NTS 92, No. 407)

LOCATION: Lat. 51° 15′ Long. 123° 32.3′ (92O/4E, 5E)
CLINTON M.D. Sixty-four kilometres northwest of Gold Bridge (northwest of Lillooet); the claims are located along the east side of Lower Taseko Lake, north of Chita Creek.

CLAIMS: CHITA 1 (20 units), CHITA 2 (12 units), CHITA 3 (10 units), CHITA 4 (20 units).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Copper, molybdenum.

DESCRIPTION: Sedimentary and minor volcanic rocks of the Lower Cretaceous Taylor Group are intruded by numerous plugs and dykes of Tertiary feldspar porphyry. Copper-molybdenite mineralization is found disseminated through an area of highly altered feldspar porphyry that locally has been brecciated.

WORK DONE: Geological mapping, 1:5000; linecutting, 40.3 kilometres; and geochemical survey, 763 soil and 86 rock samples analysed for molybdenum, copper, arsenic, and gold, on Chita 1-3.

REFERENCES: Mineral Inventory 92O-49; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 213; Assessment Reports 473, 551, 1606, 8893.

RUM, SPEC (Fig. E-1, NTS 92, No. 409)

LOCATION: Lat. 51° 09′ Long. 123° 51′ (92O/4W)
CLINTON M.D. Approximately 8 kilometres south of Yohetta Lake, 4 kilometres northwest of Tchaikazan River.

CLAIMS: RUM, SPEC (15 units each).

OWNER: DuPONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain by andesites and cherts-conglomerates-siltstones of the Taylor Creek Group (Lower Cretaceous) and basalts of the Relay Mountain Group (Middle Jurassic-Lower Cretaceous). Carbonate alteration occurs in all rocks but is most pronounced in the basalts.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 30 silt, 1 soil, and 6 rock samples analysed, on both claims.

REFERENCE: Assessment Report 9230.

FISH LAKE (BB, VICCAL) (Fig. E-1, NTS 92, No. 410)

LOCATION: Lat. 51° 28' Long. 123° 37' (92O/5E)
CLINTON M.D. Approximately 5 kilometres east of Taseko River and overlying Fish Lake.

CLAIMS: L 7 to 12, 21 to 24, 31 to 48, K 53 to 59, 61, 63, 66, 68, 70, 72, 74, 76, 116 to 121, 125 to 136, FL 1 to 4 (total 63 units), BJ 1, 3, 5, 7, 9, 11, 13 to 42, TK 1 to 10, 15 to 26, 29 to 54, 57, 58, 61 to 68, TEL 57, 59, 75 to 77.

OWNER: Taseko Mines Ltd.

OPERATOR: BETHLEHEM COPPER CORP., 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METALS: Gold, copper.

DESCRIPTION: The program has reconfirmed the presence of anomalous gold values within a pyritized intrusive complex to the east of the main Fish Lake deposit, but has failed to detect extensions of the zone. The area, known as the Albert zone, is localized within the pyrite halo of the Fish Lake porphyry deposit in a zone of structural weakness.

WORK DONE: Geological mapping, 1:5000; percussion drilling, 23 holes, totalling 2 158 metres; and geochemical survey, 446 soil samples analysed for gold, copper, arsenic, and zinc, on FL 1, 3; BJ 13, 25, 37, 38, 39; TK 30-34, 36, 49-52, 61-63.

REFERENCES: Mineral Inventory 92O-41, 42; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 222; Exploration in B.C., 1979, p. 195; Assessment Reports 369, 2483, 2702, 4966, 7979, 9103.

VI (Fig. E-1, NTS 92, No. 411)

LOCATION: Lat. 51° 28.5' Long. 123° 34' (92O/5E)
CLINTON M.D. Approximately 12 kilometres northeast of the junction of Taseko River and Beece Creek, about 4 kilometres northeast of Fish Lake.

CLAIMS: SAM (16 units), VI (20 units).

OWNER: E McLORN, Box 455, Ashcroft.

WORK DONE: Linecutting, 6 kilometres, on Sam; and geochemical survey, 150 soil samples analysed for gold, copper, and molybdenum, on both claims.

REFERENCE: Assessment Report 9597.

BIG (Fig. E-1, NTS 92, No. 412)

LOCATION: Lat. 51° 16' Long. 123° 04' (92O/6E, 3E)
CLINTON M.D. One hundred and five kilometres northwest of Lillooet, covering both sides of the Big Creek valley.

CLAIMS: BIG 1 to 4 (20 units each).

OWNER: BARRIER REEF RESOURCES LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

DESCRIPTION: Late Mesozoic clastic sedimentary rocks of the Jackass Mountain and Taylor Creek Groups are cut by a number of northwesterly trending regional faults. Portions of the property are underlain by Miocene plateau basalt.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 114 silt samples analysed for gold and arsenic and 202 soil samples analysed for gold, on all claims.

REFERENCE: Assessment Report 8000.

BIG TOM (Fig. E-1, NTS 92, No. 413)

LOCATION: Lat. 51° 17′ Long. 123° 09′ (92O/6E)
CLINTON M.D. Approximately 19 kilometres south-southwest of the junction of Nadila Creek and Fire Creek, to the west of Big Creek.
CLAIMS: BIG TOM 1 and 2 (10 units each).
OWNER: G. Lauzon.
OPERATOR: E&B EXPLORATION INC., c/o 8827 Hudson Street, Vancouver, V6P 4K3.
WORK DONE: Induced polarization survey, 8.8 kilometres, on Big Tom 1.
REFERENCE: Assessment Report 9569.

WEST BRANCH (Fig. E-1, NTS 92, No. 414)

LOCATION: Lat. 51° 23′ Long. 123° 12′ (92O/6E)
CLINTON M.D. On Nadila Creek and West Nadila Creek, 38 kilometres south-southwest of Big Creek.
CLAIMS: WEST, BRANCH, HOLDING, PASTURE (20 units each).
OWNER: K. W. Livingstone.
OPERATOR: JMT SERVICES CORP., 8827 Hudson Street, Vancouver V6P 4K3.
DESCRIPTION: There are intrusive porphyry sulphide systems on the property and weakly mineralized outcrops and float in the general area.
WORK DONE: Induced polarization survey, 10.9 kilometres, on all claims.
REFERENCE: Assessment Report 9901.

CHURN (Fig. E-1, NTS 92, No. 415)

LOCATION: Lat. 51° 23′ Long. 122° 40′ (92O/7E)
CLINTON M.D. Approximately 91 kilometres south-southwest of Williams Lake, between Stobart Creek and Churn Creek; the property is west of Churn Creek where Borin and Fairless Creeks enter from the east.
CLAIMS: CHURN 1 and 2 (20 units each).
OWNER: PAN CANADIAN PETROLEUM LTD., Box 2850, Calgary, Alberta T2P 2S5.
DESCRIPTION: Tertiary basaltic flows.
WORK DONE: Geological mapping, 1:5000; linecutting, 35.7 kilometres; ground radiometric survey, 35.7 kilometres; and geochemical survey, 1 786 soil samples analysed for uranium, molybdenum, lead, zinc, and copper, on both claims.
REFERENCE: Assessment Report 8327.

GIANT, RED BIRD, BJ (DOME) (Fig. E-1, NTS 92, No. 416)

LOCATION: Lat. 51° 20′ Long. 122° 30′ (92O/8W, 7E)
CLINTON M.D. Approximately 70 kilometres west-northwest of Clinton; the property lies between Churn and Lone Cabin Creeks, covering Black Dome Mountain.
CLAIMS: DOME 1 (6 units), DOME 2 and 3 (12 units each), DOME 6 (20 units), DOME 7 (9 units), DOME 8 (6 units), DOME 9 (12 units), DOME 10 (20 units), BLACKDOME 1 to 4, plus 10 reverted Crown-granted claims MOOSEHORN, SADDLE, WHISKEY JACK, PINION PINE, ELECTRUM FR., BONANZA, ELDORADO, BLACKDOME, PTARMIGAN, SUGAR BOWL FR. (Lots 7871 to 7880).
OWNER: BLACKDOME EXPLORATION LTD., 904, 675 West Hastings Street, Vancouver V6B 1N2.

METALS: Gold, silver.

DESCRIPTION: Tertiary volcanic rocks, ranging from basalt to rhyolite and domed into gently north-northeast plunging anticline. Zones of tension fractures related to the doming are loci for silver-gold mineralization.

WORK DONE: Diamond drilling, 6 BQ holes, totalling 469.3 metres, on Dome 3, 6, 8; 64 BQ holes, totalling 6 110.2 metres, on Dome 1, 2, 6.

REFERENCES: Mineral Inventory 92O-50-53, 66; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 185; 1979, p. 196; Assessment Reports 6692, 7161, 7512, 7910, 8346, 8990.

FURNACE (Fig. E-1, NTS 92, No. 417)

LOCATION: Lat. 51° 31′ Long. 122° 18′ (92O/9W)
CLINTON M.D. One hundred kilometres south-southwest of Williams Lake and 3 kilometres south of the Gang Ranch; the claim straddles Churn Creek, approximately 1.5 kilometres west of its junction with the Fraser River.

CLAIM: FURNACE 1 (20 units).

OWNER: PAN CANADIAN PETROLEUM LTD., Box 2850, Calgary, Alberta T2P 2S5.

DESCRIPTION: The claims are underlain by faulted and folded Eocene rhyolitic and dacitic flows, tuffs, and breccias, volcanic arenite, carbonaceous shales and tuffs, and lignite seams. Uranium occurs in a lignitic tuff horizon.

WORK DONE: 1979 – geological mapping, 1:5000; ground scintillometer survey, 2 kilometres; and geochemical survey, 5 rock samples analysed for uranium and 17 analysed for uranium, copper, lead, zinc, and molybdenum and 1 silt sample analysed for uranium.

REFERENCE: Assessment Report 8296.

GANG (Fig. E-1, NTS 92, No. 418)

LOCATION: Lat. 51° 37.5′ Long. 122° 23′ (92O/9W)
CLINTON M.D. Fifty-five kilometres south-southwest of Williams Lake, 4 kilometres southwest of the junction of Word Creek and the Fraser River.

CLAIM: GANG 1 (20 units).

OWNER: PAN CANADIAN PETROLEUM LTD., Box 2850, Calgary, Alberta T2P 2S5.

DESCRIPTION: Volcanic and sedimentary rocks (Triassic) are unconformably overlain by basaltic flow rocks (Tertiary).

WORK DONE: 1979 – geological mapping, 1:50 000; ground scintillometer survey, 13 kilometres; and geochemical survey, 210 soil samples analysed for uranium, molybdenum, lead, zinc, and copper.

REFERENCE: Assessment Report 8007.

MONS 2 (Fig. E-1, NTS 92, No. 419)

LOCATION: Lat. 51° 37′ Long. 122° 45′ (92O/10)
CLINTON M.D. Approximately 70.5 kilometres southwest of Williams Lake; the eastern part of the claim straddles the western fork of Gaspard Creek.

CLAIM: MONS 2 (20 units).

OWNER: PAN CANADIAN PETROLEUM LTD., Box 2850, Calgary, Alberta T2P 2S5.

DESCRIPTION: Mainly Cretaceous quartz monzonite which is unconformably overlain by Tertiary basalt and Pleistocene sedimentary rocks.

WORK DONE: 1979 – geological mapping, 1:5000; ground scintillometer survey; radon gas scintillometry survey; and geochemical survey, 110 water, 337 soil, and 7 silt samples analysed for uranium, copper, lead, zinc, and molybdenum.

REFERENCE: Assessment Report 8321.

MONS (Fig. E-1, NTS 92, No. 420)

LOCATION: Lat. 51° 37.5′ Long. 122° 51′ (92O/10W)
CLINTON M.D. Approximately 75 kilometres southwest of Williams Lake, approximately 5 kilometres northeast of the headwaters of Mons Creek and 12 kilometres southeast of Mons Lake, approximately 5 kilometres west of the headwaters of Gaspard Creek.

CLAIM: MONS 1 (20 units).

OWNER: PAN CANADIAN PETROLEUM LTD., Box 2850, Calgary, Alberta T2P 2S5.

DESCRIPTION: Miocene-Pliocene basalts of Chilcotin Group unconformably overlie pink Cretaceous quartz monzonite and grey Middle Jurassic granodiorite across their contact.

WORK DONE: 1979 – geological mapping, 1:5000; ground radiometric survey; ground scintillometer survey; and geochemical survey, 285 soil samples analysed for uranium, molybdenum, lead, zinc, and copper.

REFERENCE: Assessment Report 8322.

BONAPARTE RIVER 92P

FORTUNA, SKOOKUM, PLATO (Fig. E-1, NTS 92, No. 422)

LOCATION: Lat. 51° 06′ Long. 120° 01′ (92P/1E)
KAMLOOPS M.D. Approximately 55 kilometres south from Clearwater, with Fraser Creek flowing through the southwest portion of the property.

CLAIMS: FORTUNA (Lot 1591), FORTUNA 1 to 3 (Lots 1592 to 1594), FORTUNA FR. NO. 4 (Lot 2331), ALLOY (18 units).

OWNER: Marjorie Peckham.

OPERATOR: LEONARD E. PECKHAM, 301, 277 Arrowstone Drive, Kamloops V2C 1T8.

METALS: Gold, silver, lead, copper, platinum, nickel.

WORK DONE: Prospecting, covering all claims.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1927, p. 190; Assessment Report 8858; Mineral Inventory 92P-44 to 46.

AM (Fig. E-1, NTS 92, No. 421)

LOCATION: Lat. 51° 10′ Long. 120° 06′ (92P/1E)
KAMLOOPS M.D. South of Barriere, on Mount Armour.

CLAIM: AM 1 (18 units).

OWNER: CRAIGMONT MINES LTD., 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: (Copper, zinc).

DESCRIPTION: A small body of massive sulphide, mostly pyrite and pyrrhotite, occurs within tuffites and rhyolites of the Eagle Bay Formation.

WORK DONE: Diamond drilling, 2 BQ holes, totalling 150 metres.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 197; Assessment Report 7855.

AJS (Fig. E-1, NTS 92, No. 424)

LOCATION: Lat. 51° 00' Long. 120° 25' (92P/1W)
KAMLOOPS M.D. Approximately 7 kilometres south-southeast of Tsintsunko Lake, approximately 3 kilometres north-northeast of Wentworth Lake.
CLAIM: JS (15 units).
OWNER: JOST SCHMISING, 273 Yorkston Street, Williams Lake.
METALS: Molybdenum, copper.
DESCRIPTION: The claims are underlain by argillite, quartzite, and quartz-muscovite schist of Pennsylvanian-Permian Cache Creek age. These are intruded by a diorite to quartz diorite porphyry. Both are overlain by Tertiary olivine-basalt flows. Pyrite is the only sulphide noted in the diorite; some molybdenite occurs in Cache Creek rocks.
WORK DONE: 1979 – geological mapping, 1:5000, covering JS.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 269; Assessment Reports 4665, 8500; Mineral Inventory 92P-50.

DAGGER (Fig. E-1, NTS 92, No. 425)

LOCATION: Lat. 51° 10' Long. 120° 25' (92P/1W)
KAMLOOPS M.D. Fifty-eight kilometres north-northwest of Kamloops, covering Dagger Lake.
CLAIM: DAGGER 1 (20 units).
OWNER: KEDA RESOURCES (1973) LTD., 1, 219 Victoria Street, Kamloops.
DESCRIPTION: Cache Creek metasedimentary rocks are intruded by granitic rocks (Mesozoic) and partially overlain by plateau basalt lavas (Miocene).
WORK DONE: Ground magnetometer survey, 10.8 kilometres, covering Dagger 1.
REFERENCE: Assessment Report 7899.

SNOHOOSH LAKE (Fig. E-1, NTS 92, No. 428)

LOCATION: Lat. 51° 02' Long. 120° 54' (92P/2W)
KAMLOOPS M.D. Approximately 35 kilometres north of the confluence of the Deadman and Thompson Rivers, covering Mowich Lake.
CLAIM: MOWICH 1 (20 units).
OWNER: MICHAEL DICKENS, Box 116, Savona.
METAL: (Copper).
DESCRIPTION: The claims are underlain by argillites and carbonate rocks that are silicified and shattered, and contain pyrite, hematite, and minor chalcopyrite. Other outcrops are serpentinized ultramafic flow or intrusive rocks, pyroclastic rocks, and plateau basalt.
WORK DONE: Prospecting; geological mapping, 1:10 000, covering Mowich 1.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1959, p. 181; Assessment Reports 8342, 8430; Mineral Inventory 92P-94.

MOWICH (Fig. E-1, NTS 92, No. 456)

LOCATION: Lat. 51° 03' Long. 120° 54' (92P/2W)
CLINTON M.D. Forty-seven kilometres east of Clinton, straddling the Deadman River at the north end of Mowich Lake.
CLAIM: MOWICH 2 (20 units).
OWNER: M. DICKENS, Box 116, Savona.

DESCRIPTION: Argillites, calcareous argillites, andesitic tuffs, and volcanic fragmental and flow rocks are sheared, silicified, calcified, and pyritized. Overlying these older rocks are unconformable plateau basalts.
WORK DONE: Geological mapping, 1:10 000, and geochemical survey, 17 rock and 7 soil samples analysed for gold and silver.
REFERENCE: Assessment Report 8342.

SHERWOOD CREEK (Fig. E-1, NTS 92, No. 426)

LOCATION: Lat. 51° 05′ Long. 120° 53′ (92P/2W)
CLINTON M.D. Approximately 8 kilometres south-southwest of the junction of Joe Ross Creek and Deadman River, approximately 49 kilometres east of Clinton.
CLAIMS: SNO 1 (20 units), SNO 2 (15 units), SNO 3 (16 units), SNO 4 (12 units).
OWNER: Michael Dickens.
OPERATOR: NEWHAWK GOLD MINES LTD., 1450, 625 Howe Street, Vancouver V6C 2T6.
METALS: (Gold, copper, molybdenum, silver), volcanic ash.
DESCRIPTION: Underlain chiefly by Miocene plateau basalt; these are shown by windows to overlie Deadman River diatomaceous earth and pozzolanic ash. Underlying the Deadman River are argillites of the Nicola Group. Granitic rocks show at the north end of Snohoosh Lake. Mineralization is argentiferous and auriferous pyrite and chalcopyrite with minor molybdenum and tungsten in limy skarn.
WORK DONE: Geochemical survey, 236 soil samples analysed for copper, molybdenum, silver, and zinc, and induced polarization and ground electromagnetic surveys, 12 kilometres each, covering all claims.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1959, p. 181; Assessment Report 9136; Mineral Inventory 92P-93.

SAVONA (Fig. E-1, NTS 92, No. 427)

LOCATION: Lat. 51° 10.5′ Long. 120° 55′ (92P/2W)
CLINTON M.D. Approximately 37 kilometres southwest of Bridge Lake (townsite); claims lie overtop townsite of Vidette.
CLAIMS: VIDETTE 1 (20 units), NEW HOPE (Lot 4751), VALLEY NO. 1 (Lot 4747), VALLEY NO. 2 (Lot 4748), CE FR. (Lot 4764), ARGENTA NO. 1 (Lot 4766).
OWNER: James M. Dawson.
OPERATOR: KERR, DAWSON AND ASSOCIATES LTD., 1, 219 Victoria St., Kamloops V2C 2A1.
METALS: Gold, silver, lead, copper, molybdenum.
DESCRIPTION: The property is underlain by Triassic Nicola Group greenstones intruded by felsite and feldspar porphyry dykes and at least one granitic stock. The property adjoins the old Vidette gold mine, the Savona and Hamilton prospects of the 1930's.
WORK DONE: Geochemical survey, 231 soil samples analysed for copper, gold, and mercury.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 270; Assessment Report 8955; Mineral Inventory 92P-87.

DUM (Fig. E-1, NTS 92, No. 436)

LOCATION: Lat. 51° 26′ Long. 120° 19′ (92P/8W)
KAMLOOPS M.D. Approximately 7.5 kilometres east of Little Fort, at the headwaters of Montigny Creek.

CLAIMS: MIN (20 units), MINERVA (15 units), DUM (16 units).

OWNER: TECK CORP., 1199 West Hastings Street, Vancouver V6E 2K5.

DESCRIPTION: The property is underlain mainly by the Thuya granodiorite. An ultramafic body composed of peridotite, hornblendite, and hornblende diorite cuts the northwesterly part of the claims. Pyrite, chalcopyrite, and galena are found in trace amounts in quartz selvages along joint planes near the ultramafic contact.

WORK DONE: Ground magnetometer survey, 60 kilometres; and geochemical survey, 1 349 soil samples analysed for molybdenum, copper, and silver, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 271, 272; Assessment Reports 4689, 9061.

CC (CHU CHUA) (Fig. E-1, NTS 92, No. 434)

LOCATION: Lat. 51° 23′ Long. 120° 04′ (92P/8E)
KAMLOOPS M.D. Five kilometres east-northeast of Chu Chua station, 1 kilometre east of Chu Chua Mountain.

CLAIMS: CC 1 to 11 (totalling 150 units), AC 1 and 2 (totalling 40 units).

OWNER: CRAIGMONT MINES LTD., 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Copper, zinc, gold, silver.

DESCRIPTION: A small conformable massive sulphide deposit (2 000 000 tonnes) occurs within a steeply dipping tuffite unit within basalts of the Fennell Formation. The deposit is located on the east limb of a large syncline whose axis trends roughly through Chinook Mountain and Mount Fennell.

WORK DONE: Geological mapping, 1:2500; ground magnetometer survey, 12 kilometres; electromagnetic survey, 12 kilometres; and geochemical survey, 263 samples analysed for copper, zinc, lead, and silver, on CC 1, 2, and 7; electromagnetic survey, 8.2 kilometres, on CC 1.

REFERENCES: Mineral Inventory 92P-140; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 187; 1979, p. 199; Assessment Reports 7110, 7443, 7499, 8496.

ML (Fig. E-1, NTS 92, No. 433)

LOCATION: Lat. 51° 23′ Long. 120° 08′ (92P/8E)
KAMLOOPS M.D. Approximately 7.5 kilometres south-southeast of Little Fort, 4 kilometres north of Chu Chua, in McTaggart Lakes valley.

CLAIMS: ML 1 (20 units), ML 2 (20 units), BOUDY 1 to 5.

OWNER: CRAIGMONT MINES LTD., 270, 180 Seymour Street, Kamloops V2C 2E2.

DESCRIPTION: The claims are underlain by basalts and tuffites of the Fennell Formation. A tuffite member curves around the trough of the northerly plunging Fennell syncline. The tuffite contains minor pyrite and traces of malachite.

WORK DONE: Ground electromagnetic survey, 10 kilometres; ground magnetometer survey, 10 kilometres; geochemical survey, 218 soil samples analysed for copper, silver, zinc, and lead, covering ML 1 and 2.

REFERENCE: Assessment Report 9108.

LEN (Fig. E-1, NTS 82, No. 337)

LOCATION: Lat. 51° 25′ Long. 120° 00′ (82M/5W; 92P/8E)
Report on this property in Metals section 82M/5W.

WINDPASS (Fig. E-1, NTS 92, No. 431)

LOCATION: Lat. 51° 26′ Long. 120° 05′ (92P/8E)
KAMLOOPS M.D. Seven kilometres east of Little Fort, immediately east of Dunn Lake.
CLAIMS: WINDPASS 1 to 3 (Lots 3839 to 3841).
OWNER: KAMAD SILVER CO. LTD., 2160, 1066 West Hastings Street, Vancouver.
METALS: Silver, lead, zinc, barite.
DESCRIPTION: Gold associated with magnesite and cobalt compounds in quartz veining.
WORK DONE: Sampling in old workings and a geological review of Windpass.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 273; Assessment Reports 329, 4261; Mineral Inventory 92P-39.

MS (Fig. E-1, NTS 92, No. 432)

LOCATION: Lat. 51° 27′ Long. 120° 04′ (92P/8E)
KAMLOOPS M.D. Seven kilometres east of Little Fort, 2 kilometres east of Dunn Lake.
CLAIMS: MS 1 to 7 (totalling 83 units), BRIDGE (20 units).
OWNER: Barriere Reef Resources Ltd.
OPERATOR: CANADIAN NICKEL COMPANY LTD., 160, 10451 Shellbridge Way, Richmond V6X 2W8.
DESCRIPTION: Although no mineralization is exposed, an electromagnetic conductor was defined by both airborne and ground surveys. Surface mapping suggested that Eagle Bay sedimentary rocks are overlain to the west by the Fennell greenstones, and it appears that the conductor of interest locates in or near the relative contact zone. Drilling showed the conductor to correlate with a sheared graphitic horizon which contains minor amounts of finely disseminated pyrite.
WORK DONE: Surface diamond drilling, 3 BQ holes totalling 365 metres, on MS 1.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 199.

JUDY, LINE (SS) (Fig. E-1, NTS 92, No. 435)

LOCATION: Lat. 51° 28.5′ Long. 120° 03′ (92P/8E)
KAMLOOPS M.D. Approximately 7.7 kilometres east-northeast of the mouth of Dunn Creek and the north end of Dunn Lake.
CLAIMS: BALDY 1 (9 units), BALDY 2 (12 units), BALDY 3 (12 units), BALDY 4 (16 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: The area is underlain by the Fennell Formation, which has been intruded by quartz monzonite. The generally north-trending contact runs through the middle of the property with Fennell rocks to the west and quartz monzonite to the east. The Fennell Formation consists of a metamorphosed volcano-sedimentary succession of supposedly Palaeozoic age.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 192 soil samples analysed for copper, lead, zinc, molybdenum, tungsten, 15 silt samples analysed for copper, lead, zinc, molybdenum, tungsten, fluorine, rubidium, and strontium, and 62 rock samples analysed for copper, lead, zinc, molybdenum, tungsten, fluorine, and manganese, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 273, 274; Assessment Reports 1047, 4267, 9156; Mineral Inventory 92P-36 to 38.

GL (Fig. E-1, NTS 92, No. 440)

LOCATION: Lat. 51° 44′ Long. 120° 13′ (92P/9)
KAMLOOPS M.D. Fifteen kilometres northwest of Clearwater, covering the headwaters of Brookfield Creek.

CLAIMS: GL 1 to 6 (totalling 110 units).

OWNER: BETHLEHEM COPPER CORP., 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

DESCRIPTION: Very scarce outcrops: fresh medium to coarse-grained, unfractured granodiorite with rare aplitic veinlets. No sulphide mineralization was observed. Late Tertiary plateau basalts observed in northwest corner of claim block.

WORK DONE: Surface geological mapping, 1:10 000, geochemical survey, 1 602 soil and silt samples, covering all claims.

REFERENCE: Assessment Report 8604.

FOGHORN, JOSEPH (Fig. E-1, NTS 82, No. 347)

LOCATION: Lat. 51° 32′ Long. 119° 58′ (82M/12W; 92P/9E)
Report on this property in 82M/12W.

MANN CREEK (Fig. E-1, NTS 92, No. 439)

LOCATION: Lat. 51° 34′ Long. 120° 08′ (92P/9E)
KAMLOOPS M.D. Situated 12.8 kilometres southwest of Clearwater, on Mann Creek, on the west side of the North Thompson River.

CLAIM: BILLY (9 units).

OWNER: JIM W. McLEOD, 1004, 789 West Pender Street, Vancouver V6C 1J2.

METAL: (Copper).

DESCRIPTION: All outcrops prospected consist of Fennell greenstone. Minor chalcopyrite occurs in small quartz-carbonate veins.

WORK DONE: Prospecting; geological mapping, 1:12 500, on Billy.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 274; Assessment Reports 4777, 8266; Mineral Inventory 92P-29.

RUSSELL (Fig. E-1, NTS 92, No. 437)

LOCATION: Lat. 51° 36′ Long. 120° 03′ (92P/9E)
KAMLOOPS M.D. On the east bank of the North Thompson River, extending southward from Clearwater Station for approximately 7 kilometres.

CLAIMS: RUSSELL 1 to 6 (totalling 108 units).

OWNER: CRAIGMONT MINES LTD., 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: (Zinc, lead, copper).

DESCRIPTION: Minor amounts of massive sulphide mineralization are found in siliceous and graphitic tuffites within basalts of the Fennell Formation. The tuffites can be traced around a northerly plunging syncline whose axis is roughly along a line from Clearwater through McCarthy Mountain.

WORK DONE: Ground magnetometer survey, 35 kilometres; ground electromagnetic survey, 35 kilometres, geochemical survey, 413 samples analysed for copper, zinc, lead, and silver, covering all claims.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 200.

SONJA (Fig. E-1, NTS 92, No. 438)

LOCATION: Lat. 51° 38′ Long. 120° 01′ (92P/9E)
KAMLOOPS M.D. One kilometre east of Clearwater Station, on the south side of the North Thompson River.

CLAIMS: SONJA 2 (Lot 6201), SONJA 3.

OWNER: RAFT RIVER RESOURCES CO. LTD., Box 70, Vavenby V0E 3A0.

METALS: Gold, silver, copper.

DESCRIPTION: Disseminated chalcopyrite and pyrite occur within an altered zone near the base of the lower rhyolite member of the Eagle Bay Formation.

WORK DONE: Trenching, drilling, blasting, 13 metres by 3 metres by 2 metres, covering Sonja 2; trenching, 4 metres by 2 metres by 2 metres, covering Sonja 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 132; 1978, p. E 187; 1979, p. 200; Mineral Inventory 92P-49.

PC (Fig. E-1, NTS 92, No. 441)

LOCATION: Lat. 51° 31′ Long. 120° 28′ (92P/9W)
KAMLOOPS M.D. Nineteen kilometres west of Little Fort, and 2 kilometres north of Phinetta Lake.

CLAIM: PHINETTA 1 (20 units).

OWNER: VESTOR EXPLORATIONS LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9.

METAL: Copper.

DESCRIPTION: Few outcrops consist of black, laminated, pyritic Nicola argillites in or near contact with biotite granodiorite intrusive rocks. Minor chalcopyrite occasionally occurs with pyrite.

WORK DONE: 1979 – prospecting report, 18 soil and 4 silt samples analysed for copper, molybdenum, lead, and zinc, covering Phinetta 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 312; Assessment Reports 1193, 1750, 2210, 7922; Mineral Inventory 92P-9.

LAKEVIEW, FORT (Fig. E-1, NTS 92, No. 445)

LOCATION: Lat. 51° 32′ Long. 120° 23′ (92P/9W)
KAMLOOPS M.D. Northwest of Little Fort (north of Kamloops), covering Latremouille Creek just north of Laurel Lake.

CLAIMS: NUF 1 (15 units); FORT 1, 2, 3, 4, 5, 6 (1 unit each), TUN 1 (16 units); FORT 7, 9 (4 units each), TUN 2 (20 units); AU 1 (4 units); AG 1, 2 (1 unit each).

OWNER: ABH MINING GROUP INC., 206, 595 Howe Street, Vancouver V6C 2T5.

METALS: Gold, arsenic, zinc.
WORK DONE: Linecutting, 67.6 kilometres; ground magnetometer survey, 62.4 kilometres; ground electromagnetic survey, 62.4 kilometres; geochemical survey, 2 511 soil samples analysed for gold, zinc, and arsenic, covering all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 177; Assessment Reports 4028, 4262, 4264, 4835, 6586, 8880; Mineral Inventory 92P-10, 27, 136.

SO (BOG) (Fig. E-1, NTS 92, No. 444)

LOCATION: Lat. 51° 35' Long. 120° 30' (92P/9W, 10E)
KAMLOOPS M.D. Thirty kilometres northwest of Little Fort and 6 kilometres southeast of Windy Mountain; at the headwaters of Windy Creek and centred 4 kilometres northwest of Friendly Lake.
CLAIMS: BOG 3 to 9, 11 to 24, 34 to 42; FRI 1 to 11, 13, 15, 17; COM 1 to 4 (4 units), COM 5 (20 units), COM 6 (20 units).
OWNER: G. H. Rayner & Assoc., Ltd.
OPERATOR: COMMONWEALTH MINERALS LTD., 706, 675 West Hastings Street, Vancouver.
METALS: Copper, lead, silver.
DESCRIPTION: Chalcopyrite, bornite, tetrahedrite, galena, and pyrite occur in fractures and disseminated in monzonite (Triassic or Jurassic) and Nicola volcanic rocks and their altered equivalents.
WORK DONE: Linecutting, 12 kilometres; geochemical survey, 271 soil samples analysed for copper, lead, and silver, covering Bog 37 to 39 and Com 5.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 188; Assessment Reports 3900, 4836, 5137, 5481, 5603, 7302, 8147; Mineral Inventory 92P-7.

ANTICLIMAX, MO (Fig. E-1, NTS 92, No. 442)

LOCATION: Lat. 51° 36' Long. 120° 17' (92P/9W)
KAMLOOPS M.D. Approximately 37.5 kilometres south of the eastern tip of Mahood Lake; the southeast tip of Taweel Lake cuts the centre of the property at its northern edge.
CLAIMS: HUNCH 1 to 5 (81 units).
OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.
METAL: Molybdenum.
DESCRIPTION: The focus of interest is the Tuloon stock, a mineralized granitic stock, probably Tertiary, intruding Traissic-Jurassic augite-andesitic agglomerate and black andesite. It underlies Hunch 2 as leucocratic quartz feldspar porphyry. Four intrusive units are recognized.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 303 soil and silt samples analysed for molybdenum, silver, zinc, and tungsten, on all claims.
REFERENCES: Mineral Inventory 92P-14-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, pp. 304-307; 1973, p. 276; Assessment Reports 4137, 4139, 8492.

SIL (Fig. E-1, NTS 92, No. 443)

LOCATION: Lat. 51° 38′ Long. 120° 18′ (92P/9W)
KAMLOOPS M.D. Approximately 9.5 kilometres east of Skwilkwakult Mountain; claims touch Taweel Lake on the eastern side of the lake.
CLAIM: SIL 2 (20 units).
OWNER: SIMON A. JUTRAS, Box 1930, Salmon Arm.
DESCRIPTION: The property is underlain by Triassic limestone and siliceous and argillaceous sedimentary rocks which are cut elsewhere by a small leucoquartz-monzonite plug with which molybdenum mineralization is associated.
WORK DONE: Linecutting, 2.4 kilometres; ground magnetometer survey, 2.4 kilometres, covering Sil 2.
REFERENCE: Assessment Report 8649.

MATH (Fig. E-1, NTS 92, No. 446)

LOCATION: Lat. 51° 51′ Long. 121° 10′ (92P/14E)
CLINTON M.D. Approximately 25 kilometres north-northeast of 100 Mile House, 3 kilometres north of Wilcox Lake.
CLAIMS: DAY (16 units), MAY (16 units).
OWNER: DENISON MINES LTD., Box 11575, 650 West Georgia Street, Vancouver V6B 4N7.
METALS: Molybdenum, copper.
DESCRIPTION: Property is on southern margin of north Triassic Takomkane batholith which occurs in a northwest-southeast trending belt of Lower Triassic Nicola volcanics. A zone of Cretaceous intrusives occurs on the northeast margin of the Takomkane batholith. Molybdenite, chalcopyrite, and pyrite are associated with fractures and quartz veins in altered Triassic granodiorite of the Takomkane batholith.
WORK DONE: Geochemical survey, 76 soil and 34 vegetation samples analysed for molybdenum, copper, fluorine, manganese, and tungsten, covering Day.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 228; Assessment Report 4647; Mineral Inventory 92P-133.

TIM (Fig. E-1, NTS 92, No. 447)

LOCATION: Lat. 51° 56.5′ Long. 121° 14.5′ (92P/14E)
CLINTON M.D. Approximately 21 kilometres northeast of Lac La Hache, approximately 4 kilometres northwest of Mount Timothy at the headwaters of Westman Creek.
CLAIMS: TIM 1 to 10 (1 unit each), TIM NO. 1 (18 units), TIM NO. 2 (20 units).
OWNER: S. R. McCLAY, 1, 1976 West 15th, Vancouver.
METAL: Copper.
DESCRIPTION: Nicola Group volcanic and sedimentary rocks intruded by Takomkane granodiorite and by northeast and northwest-trending syenite and syenodiorite dykes. A few northeast and northwest-trending faults and shears were seen. Mineralization is disseminated copper sulphides and pyrite.
WORK DONE: 1979 – road building, 3 kilometres; linecutting, 10 kilometres; trenching, 6 trenches, 508 metres; and geochemical survey, 70 soil samples analysed for copper, on Tim.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 322, 325; Mineral Inventory 92P-121, 122; Assessment Reports 4030, 8831.

SOUTH, CLAY (Fig. E-1, NTS 92, No. 449)

LOCATION: Lat. 51° 52′ Long. 120° 55′ (92P/15W)
CLINTON M.D. Forty-eight kilometres northeast of 100 Mile House, just northwest of Hawkins Lake.

CLAIMS: CLAY (10 units), NORTH (12 units), SOUTH (12 units), BOV (4 units).

OWNER: Boville Resources Ltd.

OPERATOR: JORGEASEN BEAUCHAMP, 101, 1687 West Broadway Street, Vancouver V6J 1X2.

METAL: Copper.

DESCRIPTION: The claims cover the contact zone between andesite and limestone of the Nicola Group and granitic intrusive rocks (Triassic). The Nicola rocks are sheared northwesterly. Pyrite, bornite, azurite, and malachite with gold and silver values occur in andesite at limestone contact.

WORK DONE: 1979 – ground electromagnetic survey, 6.6 kilometres; ground magnetometer survey, 16 kilometres; geochemical survey, 657 soil samples analysed for copper, covering Clay and South.

REFERENCES: Assessment Report 8410; Mineral Inventory 92P-155.

CL, HOOD (Fig. E-1, NTS 92, No. 448)

LOCATION: Lat. 51° 48′ Long. 120° 30′ (92P/15E, 16W)
KAMLOOPS M.D. Approximately 9 kilometres south-southwest of the mouth of Aqua Creek and Mahood Lake.

CLAIMS: DL 1 to 3 (20 units each).

OWNER: SABLE RESOURCES LTD., 1100, 235 First Avenue, Kamloops V2C 3J4.

METALS: Copper, molybdenum.

DESCRIPTION: The claims are underlain by various phases of the Raft batholith, predominantly quartz monzonite, granodiorite, and granite.

WORK DONE: Linecutting, 35 kilometres; ground magnetometer survey and induced polarization survey, 35 kilometres; and geochemical survey, 585 soil samples analysed for molybdenum, on all claims.

REFERENCES: Mineral Inventory 92P-25, 107; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 230; Assessment Reports 1092, 1664, 3765, 9019.

PL (Fig. E-1, NTS 92, No. 453)

LOCATION: Lat. 51° 46′ Long. 120° 21′ (92P/16W)
KAMLOOPS M.D. Twenty-nine kilometres northwest of Clearwater, 4 kilometres east of Patricia Lake.

CLAIMS: PL 1 to 6 (totalling 91 units).

OWNER: BETHLEHEM COPPER CORP., 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

DESCRIPTION: The claims cover the contact between granodiorite of the Raft batholith and siliceous, banded, argillaceous phyllite. Aplite dykes, pegmatites, and disseminated pyrite are common.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 1 137 soil and silt samples analysed for copper, molybdenum, and uranium, covering PL 1 to 6.

REFERENCES: Assessment Reports 1013,1026, 8588.

AKU (Fig. E-1, NTS 92, No. 452)

LOCATION: Lat. 51° 46.5′ Long. 120° 22′ (92P/16W)
KAMLOOPS M.D. Twenty-seven kilometres northwest of Clearwater, just east of Patricia Lake.

CLAIMS: DD 1 to 3 (totalling 48 units).

OWNER: Kerr Dawson and Associates Ltd.

OPERATOR: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver V6E 3A8.

METALS: Molybdenum, copper.

DESCRIPTION: Biotite quartz monzonite of the Raft batholith (Cretaceous) is locally cut by myrolitic alaskite dykes and quartz feldspar porphyry dykes striking easterly, and minor faults, shears, and fractures. Pyrite, molybdenite, and chalcopyrite occur in all exposed rocks.

WORK DONE: Linecutting, 16.2 kilometres; surface geological mapping, 1:5000; geochemical survey, 184 soil, 28 silt, and 23 rock samples analysed for molybdenum, copper, lead, zinc, silver, and fluorine; ground magnetometer survey, 15 kilometres, covering DD 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E133; Assesment Reports 1013, 2433, 2571, 5083, 5084, 5085, 6171, 7985, 8852; Mineral Inventory 92P-23, 24.

NOD, SL, CS (Fig. E-1, NTS 92, No. 454)

LOCATION: Lat. 51° 47.5′ Long. 120° 24.5′ (92P/16W)
KAMLOOPS M.D. Thirty kilometres northwest of Clearwater, covering Patricia Lake and Sicily Lake.

CLAIMS: MOLY, KM 1 to 4, BEST, FAR, KD (totalling 89 units).

OWNER: NORSEMONT MINING CORP., 1199 West Pender Street, Vancouver V2E 2R1.

METALS: Molybdenum, copper.

DESCRIPTION: The property is underlain by pegmatitic quartz monzonite and diorite intrusive rocks of the Raft and Baldy batholiths. Pyrite, limonite, molybdenite, and chalcopyrite are disseminated within the rocks and fractures.

WORK DONE: Road building, 5 kilometres, traversing KM 4, Best, and Far claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 229; Exploration in B.C. 1976, p. E133; Assessment Reports 1013, 1026, 1834, 2378, 2571, 4496, 5083, 5084, 5085, 6171, 7920; Mineral Inventory 92P-22, 26, 103.

LIZARD HEAD (Fig. E-1, NTS 92, No. 451)

LOCATION: Lat. 51° 46′ Long. 120° 15′ (92P/16E)
KAMLOOPS M.D. Approximately 2.6 kilometres south of the mouth of Mann Creek and Moira Lake.

CLAIM: LIZARD HEAD 1 (15 units).

OWNER: KERR ADDISON MINES LTD., Box 91, Commerce Court West, Toronto, Ontario M5L 1C7.

DESCRIPTION: Outcrop virtually nonexistant.

WORK DONE: Induced polarization, 16.3 kilometres; ground magnetometer survey, 18.5 kilometres; linecutting, 19.3 kilometres; geochemical survey, 120 soil samples, covering Lizard Head 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 203, Assessment Reports 7467, 8801.

ML (Fig. E-1, NTS 92, No. 450)

LOCATION: Lat. 51° 48′ Long. 120° 13′ (92P/16E)
KAMLOOPS M.D. Twenty kilometres northwest of Clearwater, just north of Moira Lake.
CLAIMS: ML 1 (9 units), ML 2 (12 units), ML 3 (12 units).
OWNER: BETHLEHEM COPPER CORP., 2100, 1055 West Hastings Street, Vancouver V6E 2H8.
DESCRIPTION: Northern part of claim block is underlain by quartz-mica schists and black phyllites of the Cariboo Group; the southern part by medium to coarse-grained granodiorite, unaltered, of the Raft batholith. The contact strikes about 065 degrees.
WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 645 silt and soil and 38 rock samples analysed for copper, molybdenum, and uranium, covering ML 1 to 3.
REFERENCE: Assessment Report 8542.

ALERT BAY 92L and part of 102I

ELK (Fig. E-1, NTS 102, No. 455)

LOCATION: Lat. 50° 46′ Long. 128° 04′ (102I/16E)
NANAIMO M.D. Approximately 8.2 kilometres east of the Stranby River mouth and Shuttleworth Bight.
CLAIMS: ELK (20 units), FARM 1 to 4 (4 units).
OWNER: H. Veerman.
OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: Drilling encountered propylitic Bonanza volcanic rocks with a fair content of pyrite and pyrrhotite, and molybdenite.
WORK DONE: Ground magnetometer and ground electromagnetic surveys, 17 kilometres each; and diamond drilling, 3 IAX holes, totalling 83.82 metres.
REFERENCES: Mineral Inventory 92L-268; Assessment Report 9213.

EAST CENTRAL BRITISH COLUMBIA
(NTS Division 93)

QUESNEL LAKE 93A

AL (Fig. E-1, NTS 93, No. 2)

LOCATION: Lat. 52° 24′ Long. 121° 21′ (93A/6W)
CARIBOO M.D. Ten kilometres northeast of Horsefly, 2 kilometres west of Kwum Lake.
CLAIMS: AL 6, 8, 10, 15 to 19, AL 115 Fraction.
OWNER: ORBEX MINERALS LTD., 410, 675 West Hastings Street, Vancouver V6B 1N2.
METAL: (Copper).
DESCRIPTION: Pillow basalts, agglomerate, volcanic breccias, discontinuous carbonate horizons, conglomerate, sandstone, and tuff are cut by syenite-diorite intrusive rocks. Minor pyrite and chalcopyrite occur in brecciated and altered volcanic rocks.
WORK DONE: Diamond drilling, 4 BQ holes, totalling 455 metres, on AL 6, 17, and 19.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 124; Assessment Reports 4860, 5086, 5151, 5533, 8261; Mineral Inventory 93A-77.

LYNDA (Fig. E-1, NTS 93, No. 3)

LOCATION: Lat. 52° 28′ Long. 121° 28′ (93A/6W)
CARIBOO M.D. Approximately 1 kilometre south of Mitchell Bay, on the south side of Quesnel Lake, 20 kilometres north of Horsefly.
CLAIMS: SL 1 to 5, 7, 13 to 20, 25 to 28, 30, 32, 39, 41, 43 to 48.
OWNER: TERRAMAR RESOURCES CORP., 2351 Simpson Road, Richmond V6X 2R2.
METAL: (Copper).
DESCRIPTION: The property is situated within the Quesnel trough of volcanic and sedimentary rocks cut by stocks of diorite and syenite. Auriferous pyrite, chalcopyrite, and bornite occur in the intrusive contact zone.
WORK DONE: Diamond drilling, 3 BQ holes, totalling 321 metres, on SL 17.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 292; 1974, p. 238; Assessment Reports 4601, 4557, 5549, 8260; Mineral Inventory 93A-58.

LO, KE (Fig. E-1, NTS 93, No. 1)

LOCATION: Lat. 52° 29′ Long. 121° 02′ (93A/6E)
CARIBOO M.D. Approximately 10.7 kilometres east-northeast of the mouth of Viewland Creek and Horsefly Lake, just north of Hen Ingram Lake.
CLAIMS: BTEM 1 (9 units), BTEM 2 (3 units).
OWNER: STANLEY RESOURCES LTD., 303, 2077 Nelson Street, Vancouver V6G 2Y2.
METAL: Gold.

DESCRIPTION: Trench No. 1 runs along and across a section of Mesozoic cherts, siltstones, and tuffs which show pervasive iron sulphides (pyrite and pyrrhotite) both as disseminations and fracture fillings. A little chalcopyrite and possibly some sphalerite are present in places.

WORK DONE: Percussion drilling, 9 holes, totalling 158 metres, on both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 141; Assessment Reports 683, 9122; Mineral Inventory 93A-48.

KAY (Fig. E-1, NTS 93, No. 4)

LOCATION: Lat. 52° 17' Long. 120° 33' (93A/7E)
CARIBOO M.D. Approximately 60 kilometres east of Horsefly, straddling Frasergold Creek, which flows eastward into MacKay River.

CLAIMS: KAY 1 to 8 and KAY 9 (20 units).

OWNER: C. Gunn.

OPERATOR: KERON HOLDINGS LTD., 837 East Cordova Street, Vancouver.

DESCRIPTION: Dark grey to black fissile phyllites and argillites; quartz veins and veinlets concordant with schistosity.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 463 soil, 24 rock, and 9 silt samples analysed for gold and silver, on Kay 1-9.

REFERENCE: Assessment Report 8325.

CEDAR CREEK (Fig. E-1, NTS 93, No. 10)

LOCATION: Lat. 52° 34' Long. 121° 30' (93A/11W, 12E)
CARIBOO M.D. Six kilometres south-southeast of Likely, 1 kilometre east of Cedar Point on the northwest end of Quesnel Lake.

CLAIMS: CEDAR CREEK 1 to 4, ERNEST, LILLY, LOR, ANG, ROCKY, HARRIET, NANCY, TOUCAN, and CLIONA (20 units).

OWNER: R. A. COOK, 7, 3843 West Fourth Avenue, Vancouver.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The bedrock is pyroxene-rich, amygdaloidal, and porphyritic andesite. At nearly right angles to fold axis are normal faults that host auriferous polymetallic sulphides.

WORK DONE: Geological mapping, 1:11 000, covering all claims; geological mapping, 1:1000; and geochemical survey, 12 samples taken and analysed for gold, silver, lead, and zinc, on Nancy.

REFERENCES: Assessment Reports 4656, 5198, 8124; Mineral Inventory 93A-141.

PESO (Fig. E-1, NTS 93, No. 8)

LOCATION: Lat. 52° 35' Long. 121° 28' (93A/11W)
CARIBOO M.D. Approximately 8 kilometres east-southeast of Likely at the western tip of Spanish Lake where Spanish Creek enters the lake; the northeast corner of the claims covers this area.

CLAIMS: MARINER II (4 units), PESO (9 units).

OWNER: M. B. Neilson.

OPERATOR: P. B. KUTNEY, Cosico Mines Ltd., 1501, 1200 Sixth Street SW, Calgary, Alberta.

DESCRIPTION: Limy argillites and greywacke progressing into volcanic rocks are intruded by dykes and sills of fine-grained copper-bearing nepheline syenite. A network of quartz veins in felsite, trachyte, and syenite contains pyrite, traces of galena, and often copper carbonate staining.

WORK DONE: 1979 – geological mapping, 1:1000 and 1:10 000, on both claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 179; 1978, p. E 190; 1979, p. 206; Assessment Reports 6935, 7674, 8636.

PROVIDENCE (Fig. E-1, NTS 93, No. 7)

LOCATION: Lat. 52° 38′ Long. 121° 26′ (93A/11W)
CARIBOO M.D. Approximately 12 kilometres east-northeast of Likely, immediately south of the southern forks of Collins (Collinsby) Creek and north of Blackbear Creek.
CLAIMS: LIKE 1 to 4.
OWNER: ANGLO CANADIAN MINING CORP., 713, 744 West Hastings Street, Vancouver.
METALS: Silver, lead, zinc.
DESCRIPTION: The claims are underlain by discontinuous quartz veins, mineralized unevenly by argentiferous galena, contained chiefly in foliated rhyolite and to a limited extent in mudstone. Emplacement of quartz appears to have been in part controlled by secondary folding in the rhyolite-mudstone sequence.
WORK DONE: Geological mapping, 1:1200; and geochemical survey, 9 rock samples analysed for gold, silver, and lead, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 135; 1977, pp. E 179, E 180; Assessment Reports 3944, 6048, 8291; Mineral Inventory 93A-3.

TAM (Fig. E-1, NTS 93, No. 9)

LOCATION: Lat. 52° 38′ Long. 121° 30′ (93A/11W, 12E)
CARIBOO M.D. Five kilometres east-northeast of Likely, on the west side of Spanish Creek.
CLAIM: TAM (14 units).
OWNER: M. TATTERSALL, Likely V0L 1N0.
DESCRIPTION: Midas Formation slate, argillite, and altered pyroxenite include quartz veins containing argentiferous galena.
WORK DONE: 1979 – geological mapping, 1:3000, on Tam.
REFERENCE: Assessment Report 8219.

ALAN (Fig. E-1, NTS 93, No. 11)

LOCATION: Lat. 52° 44′ Long. 121° 24′ (93A/11W)
CARIBOO M.D. Seventeen kilometres northeast of Likely on Wilby Creek, 2 kilometres southeast of Cariboo Lake.
CLAIMS: ALAN 1 and 2.
OWNER: M. G. LARSON, 48350 Kitchen Hall Road, RR 3, Chilliwack V2P 6H5.
DESCRIPTION: Quartzite and black shale are exposed in road cuts.
WORK DONE: Geological mapping, 1:33 000, on both claims.
REFERENCE: Assessment Report 9677.

DARCY (Fig. E-1, NTS 93, No. 12)

LOCATION: Lat. 52° 45′ Long. 121° 24′ (93A/11W)
CARIBOO M.D. Eighteen kilometres northeast of Likely on the east bank of the southern tip of Cariboo Lake.

(93A/12)

CLAIMS: DARCY 1 and 2.
OWNER: M. G. LARSON, 48350 Kitchen Hall Road, RR 3, Chilliwack V2P 6H5.
DESCRIPTION: Black shale and a 4-metre-wide quartz vein are exposed in a creek.
WORK DONE: Prospecting, on both claims.
REFERENCE: Assessment Report 9669.

PR, QR (Fig. E-1, NTS 93, No. 15)

LOCATION: Lat. 52° 40' Long. 121° 47' (93A/12)
CARIBOO M.D. Approximately 15 kilometres west-northwest from Likely, with Maud Creek just cutting through the eastern portion of the property.
CLAIMS: QR 1 to 4 (20 units each), QR 5 and 6 (10 units each), QR 7 and 8 (15 units each).
OWNER: DOME EXPLORATION (CANADA) LTD., Box 270, 1 First Canadian Place, Toronto, Ontario M5X 1H1.
METALS: Copper, gold.
DESCRIPTION: Upper Triassic augite basalt and monolithologic autobreccia with minor greywacke; Lower Jurassic finely bedded siltstone, poorly bedded greywacke, and fossiliferous mudstone and conglomerate; intersected by Quesnel River stock of augite, diorite-biotite monzonite, and syenite. Gold mineralization occurs in epidotized, carbonatized, and pyritized basalt.
WORK DONE: Diamond drilling, 57 BQ holes, totalling 7 296.4 metres, on QR 1 and 2.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 192, (PR); Assessment Reports 6079, 6417, 6708, 6730, 6967, 8572; Mineral Inventory 93A-121.

CARIBOO–BELL (Fig. E-1, NTS 93, No. 14)

LOCATION: Lat. 52° 32' Long. 121° 37' (93A/12E)
CARIBOO M.D. On Mount Polley, between Bootjack Lake and Polley Lake, 9 kilometres south-southwest of Likely.
CLAIMS: BJ 1 to 27, 43, 45, 47, 49 to 60, 63 to 72, 113 to 126, 130, 132, 144, 146, 148, BOOTJACK 1 and 2 Fractions.
OWNER: Highland Crow Resources Ltd.
OPERATORS: TECK MINING GROUP LTD. and TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver V6E 2K5.
METALS: Copper, gold.
DESCRIPTION: The Bootjack Lake pink syenite stock is moderately brecciated in certain areas and the fractures are healed with epidote, pyrite, magnetite, chalcopyrite, and values of gold and silver.
WORK DONE: Reassaying and metallurgical testing.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 181; 1978, p. E 191; 1979, p. 207; Assessment Reports 646, 6326, 6911, 8016; Mineral Inventory 93A-8.

BAN, MICK (Fig. E-1, NTS 93, No. 13)

LOCATION: Lat. 52° 35.5' Long. 121° 31' (93A/12E)
CARIBOO M.D. Approximately 4 kilometres southeast of Likely, on the west side of Grogan Creek which flows west into the northwest end of Quesnel Lake.
CLAIMS: BAN 1 and 2, MICK (12 units).

OWNER: R. A. COOK, 7, 3843 West Fourth Avenue, Vancouver V6R 1P8.

DESCRIPTION: Outcrops in two restricted areas are monzonite and andesite. In general, the glacial till-covered bedrock is interpolated to be porphyritic andesite cut by pyritic quartz-carbonate veins.

WORK DONE: Geological mapping and prospecting, 1:5000; geochemical survey, 13 soil samples analysed for copper, lead, zinc, and silver; trenching, 2 metres, on Mick and Ban.

REFERENCES: Assessment Reports 8054, 9728.

PINE 5 (Fig. E-1, NTS 93, No. 16)

LOCATION: Lat. 52° 37′ Long. 121° 34′ (93A/12E)
CARIBOO M.D. Approximately 3 kilometres northwest of the most northern tip of Quesnel Lake.

CLAIM: DAVE (20 units).

OWNER: R. A. COOK, 7, 3843 West Fourth Avenue, Vancouver V6R 1P8.

METALS: Copper, gold.

DESCRIPTION: Outcrops on the property are massive andesite flow rocks and tuff. Minor pyrite occurs along fractures. Hornblende diorite intrudes the volcanic rocks resulting in epidote, quartz, and pyritic alteration and mineralization.

WORK DONE: Geological mapping, 1:11 000, on Dave.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 134; Assessment Reports 2148, 9582; Mineral Inventory 93A-10.

MOOSE, LUKIN (Fig. E-1, NTS 93, No. 6)

LOCATION: Lat. 52° 38′ Long. 121° 32′ (93A/12E, 11W)
CARIBOO M.D. Located 3 kilometres northeast of Likely, on the south end of Poquette Lake.

CLAIMS: EASY 1 to 6 (87 units).

OWNERS: R. E. Mickle, Aquarius Resources Ltd., and Carolin Mines Ltd.

OPERATOR: R. E. MICKLE, 5416 Manson Avenue, Powell River V8A 3P4.

METAL: Gold.

DESCRIPTION: Quartz stringers carrying low values in gold and silver associated with very minor chalcopyrite, sphalerite, galena, and arsenopyrite cut Jurassic/Triassic pyritized felsic volcanic and argillaceous sedimentary rocks.

WORK DONE: Trenching, 1 trench, 20 metres by 40 metres by 3 metres, on Easy.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 208; Assessment Report 7635; Mineral Inventory 93A-127.

WIM (Fig. E-1, NTS 93, No. 18)

LOCATION: Lat. 52° 59′ Long. 121° 57′ (93A/13W)
CARIBOO M.D. Forty-eight kilometres northwest of Likely, on the north side of Sovereign Creek on either side of Eskridge Creek.

CLAIMS: TERRY 1 to 4, WIM CAL 1 to 5, WIM 1, 2, WIM TA 1 to 6.

OWNER: R. TRIFAUX, 308, 751 Clarke Road, Coquitlam V3J 3Y3.

DESCRIPTION: The claims cover a contact zone between argillites and limestone sedimentary rocks and granitic and ultramafic intrusive rocks. The rocks are pyritic and include minor amounts of metal sulphides.

WORK DONE: 1979 – prospecting, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 182; 1979, p. 209; Assessment Reports 5492, 6722, 7248, 8012.

CASCA (Fig. E-1, NTS 93, No. 23)

LOCATION: Lat. 52° 47′ Long. 121° 30′ (93A/14W, 13E)
CARIBOO M.D. At the confluence of Snowshoe and Keithley Creeks, 21.5 kilometres north-northeast of Likely.
CLAIMS: J 1 (10 units), CASCA 1 to 5 (80 units).
OWNER: CASCADIA MINES & RESOURCES LTD., 1127, 510 West Hastings Street, Vancouver V6B 1L8.
DESCRIPTION: The property is underlain by Devonian-Mississippian sedimentary and metasedimentary rocks of the Showshoe and Midas Formations, consisting of quartzites, cherts, phyllites, argillites, meta-greywackes, and limestones.
WORK DONE: Seismic survey, 1.8 kilometres, on J 1.
REFERENCE: Assessment Report 9719.

CARIBOO–HUDSON (Fig. E-1, NTS 93, No. 22)

LOCATION: Lat. 52° 55′ Long. 121° 20′ (93A/14W)
CARIBOO M.D. Fifteen kilometres north-northeast of Keithley Creek Post Office at the head of Cunningham Creek.
CLAIMS: BLACK MARTIN 1 (Lot 5915), BLACK MARTIN 2 (Lot 5914), BLACK MARTIN 3 (Lot 5916), BLACK MARTIN FR. (Lot 5918), CUNNINGHAM NO. 1 (Lot 5905), CUNNINGHAM NO. 2 (Lot 5906), CUNNINGHAM NO. 3 (Lot 5907), CUNNINGHAM EXT. NO. 1 (Lot 5908), CUNNINGHAM EXT. NO. 2 (Lot 5909), SIDEWINDER FR. (Lot 5913), BLACK MARTIN NO. 4 (Lot 5917), HUDSON (Lot 9816), GLEN ECHO (Lot 9817), FIRST OF JULY (Lot 9819), SHASTA (Lot 9820), SHASTA NO. 2 (Lot 9821), CUTLER NO. 1 (Lot 10596), CUTLER NO. 2 (Lot 10597), RAD FR. (Lot 10598).
OWNER: INVEX RESOURCES LTD., 709, 744 West Hastings Street, Vancouver V6C 1A9.
METALS: Silver, gold, tungsten, lead, zinc.
DESCRIPTION: Limestone and chlorite schist of the Upper Snowshoe Formation and quartz-sericite schist overlying quartzite both of the Lower Snowshoe Formation. Structure indicated is a synclinal fold, plunging southeastward.
WORK DONE: Geological mapping, 1:3600; and geochemical survey, 86 soil samples and 29 rock samples analysed for copper, lead, zinc, silver, gold, and tungsten.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 182; 1979, p. 209; Mineral Inventory 93A-71.

ROUNDTOP, SKARN, BON (Fig. E-1, NTS 93, No. 21)

LOCATION: Lat. 52° 55′ Long. 121° 21′ (93A/14W)
CARIBOO M.D. Twenty-seven kilometres southeast of Barkerville, west of Roundtop Mountain.
CLAIMS: TARN 1, ROUNDTOP 1, 3, 10 to 28, 41 to 44, PARK 11, 12, BASE METAL 1 to 10, BON Fraction, SILVER MOUNT 2.
OWNER: Coast Interior Ventures Ltd.
OPERATOR: CHAPUT LOGGING LTD., Box 245, Lumby.
METALS: Lead, zinc, gold, silver.

WORK DONE: Tunnelling, 200 feet, on Roundtop 1, 3, 43, and 44.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 137; 1977, p. E 183; 1978, p. E 193; Mineral Inventory 93A-60, 90, 131.

BIG CHRIS (Fig. E-1, NTS 93, No. 20)

LOCATION: Lat. 52° 48.5' Long. 121° 06' (93A/14E)
CARIBOO M.D. Thirty-four kilometres northeast of Likely, 3 kilometres east of the north end of Cariboo Lake.

CLAIM: BIG CHRIS (2 units).

OWNER: D. ROWING, 46681 Fairwood Drive, Chilliwack V2P 3S7.

DESCRIPTION: Boulders in overburden contain sulphide mineralization.

WORK DONE: Gelogical mapping, 1:25 000.

REFERENCE: Assessment Report 9666.

DEB (Fig. E-1, NTS 93, No. 19)

LOCATION: Lat. 52° 53' Long. 121° 05' (93A/14E)
CARIBOO M.D. Approximately 45 kilometres northeast from Likely, with Kimball Creek cutting through the northern tip of the property.

CLAIMS: MA, PA, YOU, ME, CM, RS, STU 1 to 5, ALEX, TOM, DEB 1 to 10 (total 323 units).

OWNER: R. J. Wright.

OPERATOR: TECK EXPLORATIONS LTD, 1199 West Hastings Street, Vancouver V6E 2K5.

DESCRIPTION: The southeast part of the Black Stuart syncline, confirmed to be a simple open recumbent syncline at the base of the Mural Formation (Lower Cambrian).

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 1 747 soil, 211 silt, and 64 rock samples analysed for lead, zinc, silver, gold, and barium, on all claims.

REFERENCE: Assessment Report 8582.

AL, LOU (Fig. E-1, NTS 93, No. 24)

LOCATION: Lat. 52° 49' Long. 120° 55' (93A/15W)
CARIBOO M.D. Fifty kilometres northeast of Likely, 7.5 kilometres northwest of the north end of Quesnel Lake.

CLAIMS: SAMSON 1 to 4, SAM 1, MAYBE MINE 1 and 2.

OWNER: M. G. LARSON, 48350 Kitchen Hall Road, RR 3, Chilliwack V2P 6H5.

METALS: Silver, lead, zinc, copper.

DESCRIPTION: The outcrops consist of black and white limestone exposures of rusty brown granite on Samson 2, marble near a bridge on Samson 1, and slate on the Sam claim between 1 and 2 posts.

WORK DONE: Geological mapping, 1:25 000, on Samson 1-4 and Sam.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 334; Assessment Reports 3147, 3148, 9667; Mineral Inventory 93A-65.

QUESNEL 93B

GIBRALTAR MINE **(Fig. E-1, NTS 93, No. 25)**

LOCATION: Lat. 52° 31' Long. 122° 15' (93B/8W, 9W)
CARIBOO M.D. Nineteen kilometres north of McLeese Lake, the eastern edge of the property running along Cuisson and Rimrock Lakes, with Pierce Creek flowing through the middle of the property.

CLAIMS: BRENT (6 units), BARB (12 units), JANIS (13 units), COLE 1 (9 units), TIM 1 (2 units), AARON 1, VAL 1 to 6, 23 to 26, 35 to 50, HA 5, 6, BUD 1 to 4, DOUG 1, DOUG 3, RYAN 1, GEOFF (9 units), STU 2 to 6 Fractions, PINETREE 1 to 6, JAN 2 Fraction, AL 1 to 6, 8, DOT 2 to 5, EST 5 FR., EST 6 FR., PAN 1, 2, 4, 5, 11, 12, RUM 79 FR., ZEPHYR 1 to 6, 8, Z 2 FR., FLO 2 FR., GIB 21 FR., plus several mineral leases.

OWNER: GIBRALTAR MINES LTD., Box 130, McLeese Lake V0L 1P0.

METALS: Copper, molybdenum.

DESCRIPTION: Host rock was a border phase diorite which was intruded in places by small bodies of quartz porphyry. The diorite and to a lesser extent the quartz porphyry were mineralized with pyrite, chalcopyrite, and molybdenite. Most of the drilling indicated definite sulphide zoning in which pyrite (3 to 10 per cent) is overlying weaker concentrations of chalcopyrite and molybdenite.

WORK DONE: 1979 – diamond drilling, 5 NQ holes, totalling 850.3 metres, on Cole, Tim, and Aaron; 1980 – diamond drilling, 14 NQ holes, totalling 2 022.81 metres, on Pan 4 and Zephyr 1; 2 NQ holes, totalling 271.95 metres, on Zephyr 2; 5 NQ holes, totalling 664 metres, on Tim 1, Aaron 1; 2 NQ holes, totalling 218.54 metres, on Zephyr 2 and 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 336; Exploration in B.C., 1979, p. 210; Assessment Reports 1641, 1680, 2425, 7387, 7438, 8120, 8185, 8222, 8326, 8894; Mineral Inventory 93B-3, 6, 7, 13.

BELLA COOLA 93D

BLAZE **(Fig. E-1, NTS 93, No. 26)**

LOCATION: Lat. 52° 14' Long. 127° 17' (93D/3W, 6W)
SKEENA M.D. On the southern border of Burke Channel, 16 kilometres northeast of the junction of Kwatna Bay and Kwatna Inlet.

CLAIMS: JAN 1 (2 units), JAN 2 (6 units), JAN 3 (9 units), JAN 4 (18 units), BLAZE (18 units), DANO (6 units).

OWNERS: Cusac Industries Ltd. and BP Minerals Ltd.

OPERATOR: BP MINERALS LTD., 333 Fifth Avenue SW, Calgary, Alberta T2P 3B6.

DESCRIPTION: The property is underlain largely by granite which is in sharp contact with an older granodiorite near the southern property boundary. This granite is cut by sparse dykes mostly of fine-grained granite and by a few small intrusive breccia bodies. A zone of north-northwest-trending *en echelon* faults cuts the granite near the molybdenite occurrence.

WORK DONE: Geological mapping, 1:5000, on Dano, Jan 3, and Blaze; diamond drilling, 2 BQ holes, totalling 458 metres, on Jan 2 and 3; and geochemical survey, 14 silt samples analysed for copper, molybdenum, lead, zinc, tin, and tungsten, on Blaze and Dano.

REFERENCES: Assessment Reports 8474, 8737.

BLACKJACK (Fig. E-1, NTS 93, No. 27)

LOCATION: Lat. 52° 03′ Long. 127° 37′ (93D/4E)
SKEENA M.D. At the southwestern end of Kwatna Inlet, 69 kilometres southwest of Bella Coola.

CLAIM: BLACKJACK (12 units).

OWNER: CUSAC INDUSTRIES LTD., 330, 890 West Pender Street, Vancouver V6C 1J9.

WORK DONE: Trenching, 2 trenches, 180 square metres, on Blackjack.

NIFTY, THUNDER (Fig. E-1, NTS 93, No. 29)

LOCATION: Lat. 52° 35′ Long. 126° 25′ (93D/9W)
SKEENA M.D. Approximately 20 kilometres southwest of the junction of Takia River and Tahyesco River, with Mount Stepp on the western border and Tzeetsaytsul Peak on the eastern border.

CLAIMS: NIFTY (18 units), NIFTY 2 (16 units), NIFTY 3 (8 units), NIFTY 4 (20 units), NIFTY 5 (20 units), NIFTY 6 (18 units), NIFTY 7 (18 units), KEEN 1 (18 units), KEEN 2 (18 units), KEEN 3 (15 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Zinc, lead, silver, barite.

DESCRIPTION: The claims are underlain by the Lower Cretaceous Gambier Group divided into a lower acid volcanic unit and an upper intermediate to acid volcaniclastic unit. These are intruded by andesitic dykes, quartz feldspar porphyry (rhyolitic) dykes, and diorite. Sulphides occur at or near the top of the lower acid volcanic unit.

WORK DONE: Geological mapping, 1:500, 1:1000; and ground electromagnetic survey, 1 kilometre, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 196; Assessment Reports 6735, 6836, 8528; Mineral Inventory 93D-6,7.

WHITESAIL LAKE 93E

EAR LAKE (Fig. E-1, NTS 93, No. 30)

LOCATION: Lat. 53° 14′ Long. 127° 22′ (93E/3W)
SKEENA M.D. Twenty-eight kilometres east-northeast from the junction of Kitlope River and Kitlope Lake, on the west coast of Ear Lake.

CLAIM: EAR (7 units).

OWNER: PRYME ENERGY RESOURCES LTD., 1318, 510 West Hastings Street, Vancouver.

METALS: Gold, silver, copper.

DESCRIPTION: The claims are underlain by Hazelton Group metasedimentary rocks which overlie an older metamorphic sequence containing dykes and cupolas of an altered granite. All are intruded by Coast intrusive rocks. Mineralization is located along the eastern contact of the Coast intrusive rocks.

WORK DONE: Geochemical survey, 260 soil and 29 silt samples analysed for copper and silver, on Ear.

REFERENCES: *Geol. Surv., Canada*, Mem. 299, p. 98; Assessment Report 8784; Mineral Inventory 93E-15.

SMITH, ASH (Fig. E-1, NTS 93, No. 28)

LOCATION: Lat. 53° 29′ Long. 127° 48′ (93E/5W)
SKEENA M.D. Approximately 28.5 kilometres northeast of Price Cove which lies on the western border of Egeria Reach, lying 5 kilometres south of Sandifer Peak.

CLAIMS: SN 1, SN 2, IRENE 1, IRENE 2 (10 units each).

OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta T2R 1B2.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by a metamorphosed assemblage of intermediate to felsic volcanic and pyroclastic rocks cut by pegmatitic bodies and numerous quartz veins. The assemblage is a roof pendant completely enclosed by igneous rocks of the Coast Plutonic Complex.

WORK DONE: Geological mapping, 1:5000; ground electromagnetic survey, 1.75 kilometres; and geochemical survey, 68 soil and 24 rock samples analysed, on all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1952, p. 97; Assessment Report 8834; Mineral Inventory 93E-14.

MUMBO (Fig. E-1, NTS 93, No. 31)

LOCATION: Lat. 53° 22′ Long. 127° 32′ (93E/5E)
SKEENA M.D. Approximately 16 kilometres west of Lindquist Lake, 8.5 kilometres north of Black Dome Mountain.

CLAIM: MUMBO (8 units).

OWNER: WELCOME NORTH MINES LTD., 1027, 470 Granville Street, Vancouver.

DESCRIPTION: The property is underlain by Paleozoic Gamsby Group of felsic and mafic tuffs with lesser volcanogenic sandstone and one or more limestone and skarn members up to 200 metres thick. The Gamsby Group is cut by phases of the Coast Plutonic Complex.

WORK DONE: Geological mapping, 1:2500; ground magnetometer survey, 5.3 kilometres; and geochemical survey, 55 rock samples analysed.

REFERENCE: Assessment Report 8913.

REDBIRD (CAFB, OLD GLORY) (Fig. E-1, NTS 93, No. 33)

LOCATION: Lat. 53° 18′ Long. 127° 01′ (93E/6E, 7W)
SKEENA M.D. Approximately 160 kilometres south of Smithers, covering Haven Lake (south of Eutsuk Lake).

CLAIMS: CAFB 1 to 8, 12 to 24, 47, 49, 51 to 56, 67 to 72, 76, 78, 80, 82, and 107, 108, 117, 118, 120 to 122, 124, 156, 16F Fractions.

OWNER: Ashfork Mines Ltd.

OPERATOR: CRAIGMONT MINES LTD., 270, 180 Seymour Street, Kamloops V2C 2E2.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenite and chalcopyrite mineralizaton occurs within the periphery of a small quartz monzonite stock of Tertiary age which intrudes intermediate to felsic tuffs and breccias.

WORK DONE: Diamond drilling, 24 BQ holes, totalling 5 000 metres, on CAFB 1, 18, 20, 67, 68 and 108 Fractions.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 212; Assessment Report 8349; Mineral Inventory 93E-26.

CORE, SHIRLEY, MAG (Fig. E-1, NTS 93, No. 32)

LOCATION: Lat. 53° 26.5' Long. 127° 10.5' (93E/6E)
OMINECA M.D. On the western edge of Whitesail Lake, 3 kilometres east of Little Whitesail Lake.

CLAIMS: CORE 1 (18 units), CORE 2 (18 units), CORE 3 (3 units).

OWNER: WELCOME NORTH MINES LTD., 1027, 470 Granville Street, Vancouver.

METALS: Copper, gold.

DESCRIPTION: The claims are underlain by Telkwa Formation tuffs, breccia, and rhyolitic to basaltic flow rocks of the Lower Jurassic Hazelton Group. Two major northeast-trending fault zones cross the claims. Four mineralized showings are exposed, three are associated with the faults directly, the fourth is a dissemination in tuffs. Principal minerals are pyrite, chalcopyrite, bornite, and chalcocite.

WORK DONE: Ground magnetometer survey, 1.65 kilometres; and geochemical survey, 61 soil samples analysed for copper, silver, and gold, on Core 2.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1945, p. 70; Assessment Report 9066; Mineral Inventory 93E-32, 67, 68.

REA (Fig. E-1, NTS 93, No. 35)

LOCATION: Lat. 53° 38' Long. 127° 05.5' (93E/11E)
OMINECA M.D. Approximately 4 kilometres east of Kasalka Creek which joins Tahtsa Reach and Troitsa Lake.

CLAIMS: LEAN–TO (20 units), LEAN–TO 1 to 3 (1 unit each), LEAN–TO 4 (6 units).

OWNER: LANSDOWNE OIL AND MINERALS LTD., 1318, 510 West Hastings Street, Vancouver.

METALS: Copper, molybdenum, silver.

DESCRIPTION: The property is underlain by Mid-Jurassic Hazelton Group argillite, impure limestone, grey-green chert, and tuffaceous greywacke. These are intruded by quartz porphyry, monzonite, and/or red granite.

WORK DONE: Linecutting, 33.55 kilometres; ground electromagnetic survey, 33.5 kilometres; and geochemical survey, 580 soil samples analysed for silver and copper and 740 soil samples analysed for molybdenum, lead, zinc, and gold, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 340; Assessment Report 9098; Mineral Inventory 93E-40.

WHIT (Fig. E-1, NTS 93, No. 34)

LOCATION: Lat. 53° 45′ Long. 127° 12′ (93E/11E, 14E)
OMINECA M.D. Approximately 120 kilometres south from Smithers, with Comb Creek flowing through the northeast portion of the property.

CLAIMS: WHIT 1 and 2 (20 units each), WHIT 3 and 4 (15 units each), WHIT 5 and 6 (6 units each).

OWNER: Kennco Explorations, (Western) Ltd.

OPERATOR: SMD MINING CO. LTD., 122 Third Avenue North, Saskatoon, Saskatchewan S7K 2H6.

METALS. Molybdenum, copper.

DESCRIPTION: The oldest rocks are lapilli tuff, bedded tuff, and volcanic breccia of Lower Jurassic Telkwa Formation of Hazelton Group, intensely fractured and hornfelsed within a gossanous zone containing a quartz-molybdenite, pyrite, chalcopyrite stockwork. Intrusive rocks are biotite granodiorite, aplitic quartz porphyry, porphyritic quartz monzonite, and monzonite.

WORK DONE: Geological mapping, 1:5000, on all claims; linecutting, 40 kilometres, on Whit 2-6; induced polarization survey, 21 kilometres and ground magnetometer survey, 18 kilometres; and diamond drilling, 8 holes, totalling 2 412.4 metres; and geochemical survey, 453 soil samples analysed for copper, molybdenum, lead, and zinc, on Whit 3-6; geochemical survey, 90 rock samples analysed for copper, molybdenum, lead, zinc, silver, manganese, and cobalt, on Whit 1-4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 341; Assessment Reports 2961, 8757, 9119; Mineral Inventory 93E-50.

TSAH (Fig. E-1, NTS 93, No. 36)

LOCATION: Lat. 53° 42′ Long. 127° 40′ (93E/12E)
OMINECA M.D. Approximately 10 kilometres north-northeast of the western tip of Tahtsa Lake with Nanika Lake cutting through the northwest corner of the claim group, between Nanika and Tahtsa Lakes, 3 kilometres south-southwest of Tsah Mountain.

CLAIMS: TSAH (9 units), TSAH 2 (10 units), TSAH 3 (6 units).

OWNERS: H. H. SHEAR, 930, 625 Howe Street, Vancouver V6C 2T6 and BETHLEHEM COPPER CORP., 2100, 1055 West Hastings Street, Vancouver V6E 2H8.

METAL: Copper.

DESCRIPTION: The property is underlain by metamorphosed Jurassic and pre-Jurassic volcanic and sedimentary rocks intruded by post-Jurassic plutons. Pre-Jurassic rocks are feldspathized and dioritized greenstone of possibly Tahtsa Complex; Jurassic are Hazelton Group augite andesites, basalt, and dacite, commonly tuffaceous. Small stock of granodiorite intrudes the greenstones.

WORK DONE: Diamond drilling, 3 holes, totalling 612.3 metres, on Tsah 1; and geochemical survey, 168 soil samples analysed for copper and molybdenum, on Tsah 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 184; 1979, p. 213; Assessment Reports 2374, 7644, 8527; Mineral Inventory 93E-54.

BERG, SUN (Fig. E-1, NTS 93, No. 37)

LOCATION: Lat. 53° 48' Long. 127° 26' (93E/13E, 14W)
OMINECA M.D. Forty-two kilometres northeast of Kemano, 10 kilometres southwest of Mount Sweeney.

CLAIMS: BERG 1 to 9, SUN 1 to 80 (total 189 units), Mineral Lease M-95.

OWNER: Kennco Explorations, (Western) Ltd.

OPERATOR: PLACER DEVELOPMENT LTD., 800, 1030 West Georgia Street, Vancouver.

METALS: Copper, molybdenum, lead, zinc.

DESCRIPTION: The property is underlain primarily by Jurassic Hazelton Group with limited exposures of monzonite porphyry along the southern and western boundaries. The commonest rock is a quartz latite or possibly rhyolite welded tuff, light grey in colour with clasts up to 3 millimetres. Lapilli-sized clasts up to several centimetres are fairly common.

WORK DONE: Geological mapping, 1:10 000, on Sun 1-90; 1:5000, on Sun 9-72, 77-80; diamond drilling, 2 NQ and 6 BQ holes, totalling 1 120 metres, on Berg 1; geological mapping, 1:5000; induced polarization survey, 35 kilometres; ground magnetometer survey, 50 kilometres; and geochemical survey, 724 soil samples analysed for copper, molybdenum, lead, zinc, gold, and silver, on Sun 9-72, 77-80.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1966, pp. 105-111; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E 128, E 129; Assessment Reports 4578, 5500, 8773, 9036; Mineral Inventory 93E-8, 46.

KEM (Fig. E-1, NTS 93, No. 38)

LOCATION: Lat. 53° 48' Long. 127° 03' (93E/14E)
OMINECA M.D. Approximately 11.5 kilometres south of the western tip of Nadina Lake, 4 kilometres southwest of Twinkle Lake.

CLAIM: KEM 1 (16 units).

OWNER: HUDSON BAY EXPLORATION & DEVELOPMENT LTD., 440, 1055 West Hastings Street, Vancouver.

DESCRIPTION: There are no outcrops on this property.

WORK DONE: Geochemical survey, 105 soil samples analysed for molybdenum, copper, lead, and silver.

REFERENCE: Assessment Report 9099.

RIP (Fig. E-1, NTS 93, No. 39)

LOCATION: Lat. 53° 50' Long. 126° 44' (93E/15)
OMINECA M.D. Approximately 21 kilometres southwest of the western tip of Francois Lake, 10 kilometres north of the junction of Tahtsa Reach and Whitesail Reach of Ootsa Lake.

CLAIMS: RIP 1 and 2 (18 units each), RIP 3 (16 units), RIP 4 (4 units), RIP 5 (16 units), RIP 6 (18 units), RIP 7 (6 units), RIP 8 (18 units).

OWNER: Kennco Explorations, (Western) Ltd.

OPERATOR: SMD MINING CO. LTD., 122 Third Avenue North, Saskatoon, Saskatchewan S7K 2H6.

METALS: Copper, molybdenum.

DESCRIPTION: The oldest rocks are mid-Jurassic Smithers Formation Hazelton Group fossiliferous greywackes, siltstones, and volcaniclastic rocks. Hornfelsed equivalents carry a phyllic quartz-chalcopyrite-molybdenite-monzonite stockwork. Volcaniclastic rocks, breccias, and sandstones of the Upper Cretaceous Kasalka Group and Eocene (?) porphyritic dacite and felsite also occur. Minor pyrite occurs in the latter.

WORK DONE: Geological mapping, 1:10 000; linecutting, 78.7 kilometres; ground magnetometer survey, 78.7 kilometres; induced polarization survey, 34.0 kilometres; air photography, 30.5 kilometres; and percussion drilling, 36 holes, totalling 1 762.9 metres, on all claims; road building, 6.7 kilometres, on Rip 1, 2, 5, 8.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1975, p. 131; Assessment Reports 5818, 5819, 5969, 8366, 8756; Mineral Inventory 93E-85, 92.

WH (Fig. E-1, NTS 93, No. 42)

LOCATION: Lat. 53° 49′ Long. 126° 41′ (93E/15W)
OMINECA M.D. Approximately 15.7 kilometres east-southeast of the mouth of Nadina River and Nadina Lake.

CLAIM: WH (6 units).

OWNER: J. SHELFORD, Box 166, Burns Lake V0J 1E0.

DESCRIPTION: The limited outcrop near and at the drillsite is granite.

WORK DONE: Diamond drilling, 1 hole, totalling 33.22 metres.

REFERENCE: Assessment Report 8949.

TETS (Fig. E-1, NTS 93, No. 43)

LOCATION: Lat. 53° 51′ Long. 126° 57′ (93E/15W)
OMINECA M.D. Sixty-four kilometres south of Houston, 8 kilometres northeast of Twinkle Lake.

CLAIMS: TETS (15 units), JOHN BOY (5 units), JIM–BO (10 units), SOUTH (5 units), LAKE (5 units).

OWNER: J. SHELFORD, Box 166, Burns Lake V0J 1E0.

METAL: Copper.

DESCRIPTION: The claims are underlain by Hazelton rhyolite, dacite, andesite, and breccia intruded by granitic rocks. Mineralization consists of lenses, breccia fillings, and disseminated sphalerite, bornite, chalcopyrite, and pyrite.

WORK DONE: 1979 – 8 trenches and 26 pits, totalling 171.5 cubic metres; 1980 – trenching, 4.27 cubic metres; and diamond drilling, 8 EX holes, totalling 126.5 metres, on Tets.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 198, Assessment Report 4580, 7101, 9072, 9248; Mineral Inventory 93E-84.

BONNY (Fig. E-1, NTS 93, No. 40)

LOCATION: Lat. 53° 58′ Long. 126° 55′ (93E/15W)
OMINECA M.D. The property lies about 45 kilometres south-southwest of Houston and at the southeast tip of Tagetochlain (Poplar) Lake.

CLAIM: BONNY (12 units).

OWNER: SUTHERLAND RESOURCES LTD., 1028, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The claim is covered by overburden.

WORK DONE: Seismic survey, 200 metres; and diamond drilling, 7 BQ holes, totalling 126.6 metres.

REFERENCE: Assessment Report 8741.

DUAL (Fig. E-1, NTS 93, No. 41)

LOCATION: Lat. 53° 59' Long. 126° 53' (93E/15W; 93L/2W) OMINECA M.D. Forty-five kilometres south-southwest of Houston, just north of the southeast end of Tagetochlain (Poplar) Lake.
CLAIMS: TOM 3 (18 units), DILYS (20 units).
OWNER: CELEBRITY MINING CORP., 504, 475 Howe Street, Vancouver.
METAL: Copper.
DESCRIPTION: Hazelton (Jurassic) sedimentary and volcanic rocks are intruded by felsic Coast intrusive rocks. Minor sulphides are visible in the Hazelton argillites.
WORK DONE: Linecutting, 35 kilometres, ground magnetometer survey, 35 kilometres; and ground electromagnetic survey, 35 kilometres, on both claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 145; Assessment Reports 6126, 8229; Mineral Inventory 93E-94.

POPLAR (Fig. E-1, NTS 93, No. 103)

LOCATION: Lat. 54° 01' Long. 126° 59' (93L/2W; 93E/15W) Report on this property in Metals section 93L/2W.

NECHAKO RIVER 93F

AL 11 (Fig. E-1, NTS 93, No. 46)

LOCATION: Lat. 53° 04' Long. 124° 05' (93F/1E) OMINECA M.D. Approximately 110 kilometres west-northwest of Quesnel, Coglistiko River cuts through the southwest corner of property.
CLAIM: AL 11 (12 units).
OWNER: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD., 440, 1055 West Hastings Street, Vancouver V6E 2E9.
WORK DONE: Ground magnetometer survey, 14.5 kilometres.
REFERENCE: Assessment Report 9148.

AL 8 (Fig. E-1, NTS 93, No. 45)

LOCATION: Lat. 53° 06' Long. 124° 01' (93F/1E) OMINICA M.D. Approximately 125 kilometres southwest of Prince George, 6.5 kilometres north of Coglistiko River, on the north side of an unnamed lake.
CLAIM: AL 8 (6 units).
OWNER: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD., 440, 1055 West Hastings Street, Vancouver V6E 2E9.
WORK DONE: Ground magnetometer survey, 7.0 kilometres.
REFERENCE: Assessment Report 9143.

AL 7 (Fig. E-1, NTS 93, No. 44)

LOCATION: Lat. 53° 06' Long. 124° 04' (93F/1E) OMINECA M.D. Approximately 125 kilometres southwest of Prince George, 6.5 kilometres north of Coglistiko River.

(93F/1E)

CLAIM: AL 7 (9 units).
OWNER: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD., 440, 1055 West Hastings Street, Vancouver V6E 2E9.
WORK DONE: Ground magnetometer survey, 11.4 kilometres.
REFERENCE: Assessment Report 9145.

AL 9 (Fig. E-1, NTS 93, No. 47)

LOCATION: Lat. 53° 07.5' Long. 124° 09' (93F/1E)
OMINICA M.D. Approximately 120 kilometres southwest of Endako, Bishop Creek cuts through the property and forks off at most southern tip of property.
CLAIM: AL 9 (12 units).
OWNER: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD., 440, 1055 West Hastings Street, Vancouver V6E 2E9.
WORK DONE: Ground magnetometer survey, 11 kilometres.
REFERENCE: Assessment Report 9149.

AL 6 (Fig. E-1, NTS 93, No. 48)

LOCATION: Lat. 53° 10' Long. 124° 22' (93F/1W)
OMINICA M.D. Approximately 115 kilometres south-southwest of Endako, 2.25 kilometres northwest of Euchiniko Lakes.
CLAIM: AL 6 (20 units).
OWNER: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD., 440, 1055 West Hastings Street, Vancouver V6E 2E9.
WORK DONE: Geochemical survey, 190 soil samples analysed for copper, zinc, silver, and gold.
REFERENCE: Assessment Report 9171.

PEM (Fig. E-1, NTS 93, No. 49)

LOCATION: Lat. 53° 11' Long. 124° 51' (93F/2W)
OMINECA M.D. One hundred and fifty kilometres southwest of Prince George, on the northeastern slope of Mount Davidson.
CLAIM: PEM (20 units).
OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1110, 625 Howe Street, Vancouver V6C 2T6.
DESCRIPTION: The area is underlain by volcanic and related rocks (Cretaceous/Tertiary) that have been intruded by felsic rocks to the south.
WORK DONE: Ground electromagnetic survey, 1 kilometre.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 185; 1979, p. 214; Assessment Reports 6384, 7803.

NED, D (Fig. E-1, NTS 93, No. 51)

LOCATION: Lat. 53° 18' Long. 125° 08' (93F/6)
OMINICA M.D. Fifteen kilometres south of Natalkuz Lake, extending east-southeast from Capoose Lake to Fawnie Nose.
CLAIMS: NED (16 units), NED 1 to 3 Fractions, A (18 units), B (18 units), C (6 units), D (18 units), E (4 units), F (6 units), G (9 units), H (9 units), I (16 units), J (18 units), K (18 units), L (8 units), M (1 unit), N (2 units), O (4 units), P (3 units), R (12 units), S (16 units), T (12 units), U (4 units), W (20 units).

OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1110, 625 Howe Street, Vancouver V6C 2T6.
METALS: Copper, molybdenum, lead, zinc, gold, silver.
DESCRIPTION: The claims straddle the contact zone between basalt, andesite, related tuffs and breccias, minor rhyolite, dacite, greywacke, and conglomerate of the Oosta Lake Group (Cretaceous/Tertiary), and older volcanic and sedimentary rocks of the Hazelton Group (Lower to Middle Jurassic).
WORK DONE: Road building, 2 kilometres, on E, D, and G; linecutting, 90.5 kilometres, on B, T, and U; diamond drilling, 17 BQ holes, totalling 3 376.1 metres, on E and F and 1 BQ hole, totalling 147.82 metres, on G; and geochemical survey, 1 603 soil samples analysed for arsenic, silver, lead, zinc, copper, and molybdenum, on R, S, T, U, and B and 478 analysed for gold, on B.
REFERENCES: Mineral Inventory 93F-39, 40; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 141; 1977, pp. E185, E 186; 1978, pp. E 198, E 199; 1979, pp. 214, 215; Assessment Reports 6868, 6869, 6870, 6988, 7226, 7504, 8333, 8515, 8550, 8557, 8731.

FN (Fig. E-1, NTS 93, No. 50)

LOCATION: Lat. 53° 15′ Long. 125° 13′ (93F/6E)
OMINECA M.D. In the Fawnie Range, 3.5 kilometres southwest of Fawnie Nose, 84.5 kilometres southeast of Takysie Lake.
CLAIMS: FN 1 and 2 (20 units each).
OWNER: CAPOOSE MINING INC., 1290, 999 West Hastings Street, Vancouver.
DESCRIPTION: Rock exposures are scarce; two small outcroppings of vesicular basalt and one of altered granodiorite were examined.
WORK DONE: Geochemical survey, 292 soil samples analysed for molybdenum, copper, lead, zinc, silver, nickel, cobalt, manganese, iron, and arsenic, on both claims.
REFERENCE: Assessment Report 9941.

APRIL, C (Fig. E-1, NTS 93, No. 52)

LOCATION: Lat. 53° 21′ Long. 124° 30′ (93F/7E, 8W)
OMINECA M.D. Approximately 18 kilometres east-northeast of the northern tip of Tatelkuz Lake.
CLAIMS: APRIL (20 units), MAY (12 units).
OWNER: GRANGES EXPLORATION AKTIEBOLAG, 1110, 625 Howe Street, Vancouver V6V 2T6
METALS: (Copper, molybdenum).
DESCRIPTION: Claims lie on the east-west contact of Middle to Lower Jurassic Hazelton tuffs and interbedded andesite flows and Upper Jurassic or Cretaceous granite.
WORK DONE: Geochemical survey, 389 soil samples analysed for copper, lead, zinc, silver, and molybdenum, on both claims.
REFERENCES: Mineral Inventory 93F-4; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 132; Assessment Report 9043.

CHU (Fig. E-1, NTS 93, No. 53)

LOCATION: Lat. 53° 22′ Long. 124° 35′ (93F/7E)
OMINECA M.D. Approximately 30 kilometres southwest of Tatuk Lake, lying 10 kilometres north of Tatelkuz Mountain.

(93F/8E)

CLAIMS: AKO 1 (4 units), NECH (4 units), NECH 1 (8 units), NECH 2 (3 units), AA 1 (4 units), AA 2 (2 units), AA 3 (9 units), CHU 25 to 36, 43 to 52.

OWNER: Asarco Exploration Co. of Canada Ltd.

OPERATOR: ARMCO MINERAL EXPLORATION LTD., 1780, 1055 West Hastings Street, Vancouver V6E 2E9.

METAL: Molybdenum.

DESCRIPTION: Disseminated molybdenite occurs in siliceous hornfelsed Hazelton Group sedimentary rocks near the contact of a granodiorite of probable Coast Intrusion affinity.

WORK DONE: Diamond drilling, 3 holes, totalling 1 002 metres, on Chu 35 and 36 and Nech.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 215; Assessment Reports 2535, 2673, 2674, 3050, 8476; Mineral Inventory 93F-1.

AL (Fig. E-1, NTS 93, No. 54)

LOCATION: Lat. 53° 17.4′ Long. 124° 08′ (93F/8E)
OMINECA M.D. Approximately 115 kilometres southwest of Prince George, 8.5 kilometres south-southwest of Comstock Lake.

CLAIM: AL 1 (20 units).

OWNER: HUDSON BAY EXPLORATION & DEVELOPMENT CO. LTD., 440, 1055 West Hastings Street, Vancouver V6E 2E9.

DESCRIPTION: Covered by glacial drift and/or Tertiary basalts.

WORK DONE: Ground magnetometer survey, 10 kilometres.

REFERENCE: Assessment Report 9172.

SWAB (Fig. E-1, NTS 93, No. 56)

LOCATION: Lat. 53° 51′ Long. 124° 50′ (93F/15W)
OMINECA M.D. Forty-five kilometres southwest of Fort Fraser on the Holy Cross (Smith) Creek access road, approximately 3 kilometres north of Hallett Lake.

CLAIMS: SWAB 1 to 4 (20 units each).

OWNER: J. C. Stephen.

OPERATOR: DOME EXPLORATION LTD., c/o J. C. Stephen Explorations Ltd., 1124 West 15th Street, North Vancouver.

DESCRIPTION: The property is covered by overburden. Rounded and angular boulders mapped consist of andesite, diorite-granodiorite, and alaskite with pyrite, magnetite, and specularite, rhyolite lithic tuff, and pyritic dacite and conglomerate.

WORK DONE: Geological mapping, 1:2000; ground magnetometer survey, approximately 9 kilometres; and geochemical survey, 352 soil samples analysed for molybdenum, all on Swab 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 202, E 203; 1979, pp. 215, 216; Assessment Reports 6832, 7241, 7484, 7934, 8164.

NITHI, JEN, LINDA (Fig. E-1, NTS 93, No. 57)

LOCATION: Lat. 53° 59′ Long. 124° 52′ (93F/15W; 93K/2W)
OMINECA M.D. Eight kilometres south of Fraser Lake on Nithi Mountain.

CLAIMS: MOLLY 1 to 18 (1 unit each), STREP 79 (1 unit), STREP (9 units), MJM 1 to 4 (20 units each), MJM 5 (10 units), DB 1 (14 units), DB 2 (2 units), DB 3 (7 units), DB 4 (3 units).

OWNERS: D. Young, Nithex Exploration Ltd., and Rockwell Mining Corp.

OPERATOR: ROCKWELL MINING CORP., 155, 409 Granville Street, Vancouver V6C 1T2.

METAL: Molybdenum.

DESCRIPTION: The area is underlain by phases of the Topley intrusives cut by aplite, various porphyry, and lamprophyre dykes. Molybdenite occurs as disseminations, in fracture fillings, and as quartz-molybdenite veins in coarse-grained quartz monzonite and medium-grained granite.

WORK DONE: Geochemical surveys, 2 467 soil samples analysed for molybdenum, manganese, iron, and zinc; 366 rock samples analysed for molybdenum and 42 for copper, manganese, iron, silver, zinc, tungsten, and gold.

REFERENCES: Mineral Inventory 93F-6-17; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 142, E 143; 1978, p. E 202; Assessment Reports 8399, 8470, 9110.

GREER (Fig. E-1, NTS 93, No. 55)

LOCATION: Lat. 53° 50′ Long. 124° 34′ (93F/15E)
OMINECA M.D. Sixty kilometres southwest of Vanderhoof between Mount Greer on the east and the Nechako River on the west.

CLAIMS: GREER 1 to 4 (totalling 75 units).

OWNER: J. C. Stephen.

OPERATOR: DOME EXPLORATION (CANADA) LTD., 1124 West 15th Street, North Vancouver.

DESCRIPTION: The property is underlain by basalt, mafic feldspar porphyry, and amphibolite of Jurassic or older age, granitic intrusive rocks of Cretaceous age, and rhyolitic, dacitic, and tuffaceous rocks of Tertiary age.

WORK DONE: Geological mapping, 1:2000; linecutting, 27 kilometres; ground magnetometer survey, 27 kilometres; and geochemical survey, 590 soil samples analysed for copper, molybdenum, and uranium and 24 rock samples taken, all on parts of Greer 1-4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 204, E 205; 1979, p. 215; Assessment Reports 6685, 7120, 7430, 8230.

LOU, LIZ, JAN (Fig. E-1, NTS 93, No. 85)

LOCATION: Lat. 54° 01′ Long. 124° 15′ (93K/1; 93F/16)
Report on this property in Metals section 93K/1.

PRINCE GEORGE 93G

WINGDAM (Fig. E-1, NTS 93, No. 76)

LOCATION: Lat. 53° 02′ Long. 122° 58′ (93H/4W; 93G/1E)
Report on this property in Metals section 93H/4W.

HIXON CREEK (Fig. E-1, NTS 93, No. 58)

LOCATION: Lat. 53° 27′ Long. 122° 31′ (93G/7E, 8W)
CARIBOO M.D. Fifty-five kilometres south-southeast of Prince George at Little Hixon and Colgrove Creeks.

CLAIMS: HIXON QUARTZ 1 to 6, HQ (4 units), HQ 2 (20 units), HQ 3 (6 units), HQ 4 (20 units).

OWNER: Esperanza Explorations Ltd.

OPERATOR: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta.

METAL: Gold.

DESCRIPTION: The oldest rocks on the property are a series of sericitic schists of Mesozoic age. Bands of altered greenstones, probably dykes or sills, are interleaved into the schist. Gold is associated with quartz veins within carbonate-altered sections of the greenstones. There are underground workings on the veins (minor past production).

WORK DONE: Ground magnetometer survey, 14.9 kilometres, on all claims.

REFERENCES: Mineral Inventory 93G-15; *Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 216, 217; Assessment Reports 7787, 8343.

BURN (Fig. E-1, NTS 93, No. 59)

LOCATION: Lat. 53° 57′ Long. 122° 32′ (93G/15E)
CARIBOO M.D. Approximately 23 kilometres east of Prince George, just east of Tabor Lake.

CLAIMS: CLAIRE (8 units), SANDY (16 units), MATT (16 units), MILT (20 units), LAWRENCE (20 units).

OWNER: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

METALS: Tungsten, molybdenum.

DESCRIPTION: The area is believed to be underlain by intermediate to basic lavas, breccias, and intercalated sedimentary rocks of the Upper Triassic Takla and Nicola Groups of rocks. Mineralization consists of scheelite and molybdenite in veinlets with minor amounts of pyrrhotite, pyrite, and chalcopyrite.

WORK DONE: Induced polarization survey, 13.2 line kilometres; diamond drilling, 1 BQ hole, totalling 591.9 metres and percussion drilling, 12 holes, totalling 603.6 metres, on Milt, Lawrence, Sandy, and Matt.

REFERENCES: Mineral Inventory 93G-24; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 187; 1978, p. E 207; 1979, pp. 217, 218; Assessment Reports 6644, 6876, 8328, 8808.

LOON (Fig. E-1, NTS 93, No. 61)

LOCATION: Lat. 53° 51′ Long. 122° 06′ (93G/16E)
CARIBOO M.D. Forty-two kilometres east of Prince George on the north side of Taspai Creek, 9 kilometres north-northwest of Spring Mountain.

CLAIMS: NOOK 1 (10 units), NOOK 2 (20 units), NOOK 3 (4 units), NOOK 4 (6 units), NOOK 5 (18 units), NOOK 6 (15 units), RHY 1 (12 units), RHY 2 (18 units).

OWNERS: VESTOR EXPLORATION LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta T2R 1J2

METALS: Copper, zinc, gold, silver.
DESCRIPTION: Pyritic metasedimentary and metavolcanic rocks of the Slide Mountain Group strike northwesterly and dip 45 degrees southwest. The rocks are generally unaltered but show minor brecciation in andesites.
WORK DONE: 1979 – linecutting, 16.5 kilometres; ground magnetometer survey, 4.8 kilometres; and ground electromagnetic survey, 8.4 kilometres, covering all claims; 1980 – airborne electromagnetic and airborne magnetometer surveys, 778 kilometres each, covering all claims.
REFERENCES: Mineral Inventory 93G-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 160; 1970, p. 199; Assessment Reports 1633, 1952, 2615, 8015, 8160.

JAY (Fig. E-1, NTS 93, No. 60)

LOCATION: Lat. 53° 59′ Long. 122° 05′ (93G/16E)
CARIBOO M.D. Approximately 4.2 kilometres east of Cottonwood Island (in Bowron River).
CLAIM: JAY (12 units).
OWNER: CAMPBELL CHIBOUGAMAU MINES LTD., A-105, 355 Burrard Street, Vancouver V6C 2G6.
DESCRIPTION: The property is underlain by Takla Group limestone and dolostone with some gypsum/anhydrite and limy hornfels or argillite. These are intruded by Topley granite and by quartz-feldspar porphyry dykes related to the Topley. No mineral showings were found.
WORK DONE: Geological mapping, 1:2500 and geochemical survey, 108 soil samples analysed for copper, zinc, and silver.
REFERENCE: Assessment Report 8920.

McBRIDE 93H

VICTORIA (Fig. E-1, NTS 93, No. 70)

LOCATION: Lat. 53° 02′ Long. 121° 32′ (93H/4E)
CARIBOO M.D. Approximately 8 kilometres southeast of Wells, with Mink Gulch cutting through the centre of the claim groups.
CLAIMS: VICTORIA (Lot 199), CONSOLIDATED (Lot 800), EUREKA (Lot 201), GIFFORD (Lot 198).
OWNER: F. B. WHITING, 1035 Greenwood Place, West Vancouver V7S 1Y2.
DESCRIPTION: The property is underlain by thinly bedded schists and quartzites of the Richfield Formation, Cariboo series. The strike is north-northwest and dips are 30 to 50 degrees northeast.
WORK DONE: Prospecting; and sampling, 9 chip samples taken, on Consolidated, Victoria, and Gifford.
REFERENCE: Assessment Report 8947.

MONTY (Fig. E-1, NTS 93, No. 65)

LOCATION: Lat. 53° 02′ Long. 121° 41′ (93H/4E)
CARIBOO M.D. Approximately 9 kilometres south of Wells on the south slope of Mount Burns, bisected by Perkins and Amador Creeks which flow into Lightning Creek.

(93H/4E)

CLAIMS: MONTY A and B (20 units each).

OWNER: J. E. LaFleur.

OPERATOR: L & G RESOURCES LTD., 26, 640 Burrard Street, Vancouver.

DESCRIPTION: Sparse outcrops consist of feldspathic sandstones, quartzites, phyllites, mica schists, and occasional limestone of the Cariboo Group, Richfield Formation. This is a folded and faulted part of an anticlinorium containing pyrite and gold-bearing quartz veins.

WORK DONE: 1979 – geological mapping, 1:5000; 14 samples analysed for gold, silver, and copper; geochemical survey, 208 soil samples analysed for gold, silver, copper, and lead, covering both claims.

REFERENCE: Assessment Report 8039.

PERKINS (Fig. E-1, NTS 93, No. 63)

LOCATION: Lat. 53° 03′ Long. 121° 39′ (93H/4E)
CARIBOO M.D. Eight kilometres south-southwest of Barkerville, Amador Creek flows through the claim.

CLAIMS: BEAU 1 and 2, ROB, ROB 1, PERRY 1 and 2.

OWNERS: W. H. Perry and J. McKelvie.

OPERATOR: SPECTRUM INDUSTRIAL RESOURCES LTD., 102 B, 3350 Fraser Street, Vancouver V6V 4C1.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The claims are underlain by feldspathic sandstones, micaceous and schistose quartzites, phyllites, and mica schists of the Hadrynian Kaza Group and Showshoe Formation. Gold, silver, and lead mineralization occurs in quartz veins.

WORK DONE: Geological mapping, on Beau and Rob; trenching, 4 trenches, totalling 1 595 cubic metres; sampling; and diamond drilling, 3 holes, totalling 259.9 metres, on Rob 2, Perry 1, and Beau 1 and 2.

REFERENCES: Mineral Inventory 93H-37; *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 125; Assessment Report 8820.

CHISHOLM (Fig. E-1, NTS 93, No. 62)

LOCATION: Lat. 53° 03′ Long. 121° 42′ (93H/4E)
CARIBOO M.D. Approximately 2 kilometres north-northeast of Van Winkle (Stanley) on the southeast slope of Mount Nelson.

CLAIMS: CHISHOLM 8 FR. (Lot 10435), HAAGS DIMPLE (Lot 1664), WONDER 2 (Lot 1666), APEX (Lot 10427), CHISHOLM 5 (Lot 10432), YPRES (Lot 7724).

OWNER: Zeilers Trigold Gulch Ltd.

OPERATOR: GOLDEN ARK INDUSTRIES LTD., Box 904, Vernon.

METALS: Gold, silver.

DESCRIPTION: The area is underlain by limestones, phyllites, and quartzites of the Richfield Formation (Precambrian). Quartz veins frequently carry sulphides and free gold.

WORK DONE: Prospecting; and geochemical survey, 20 soil samples analysed for gold, on Ypres.

REFERENCES: Mineral Inventory 93H-35; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1978, p. E 208; Assessment Reports 5554, 6668, 7734.

GOLD, AU (Fig. E-1, NTS 93, No. 68)

LOCATION: Lat. 53° 04' Long. 121° 33' (93H/4E)
CARIBOO M.D. In the Barkerville area, 3.5 kilometres south of Wells, between Richfield and Barkerville Mountains.

CLAIMS: PB 1 to 8, AG 1 to 8, AU 1 to 8, KING 1 to 8, GOLD 1 to 8.

OWNERS: J. S. ST. MARS, 670 Mont Royal Boulevard, North Vancouver and P. T. BAILEY, Box 116, Wells.

DESCRIPTION: Folded and faulted argillite, slate, and limestone of the Cariboo series (Precambrian) and Richfield Formation are cut by pyrite quartz veins and a large quartz porphyry sill.

WORK DONE: 1979 – geological mapping, 1:12 000, on northeastern side of the property; 1980 – airborne electromagnetic and magnetometer survey, 90 kilometres, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 218; Assessment Reports 7173, 8179, 8223.

ACME, DAVIS CREEK (Fig. E-1, NTS 93, No. 71)

LOCATION: Lat. 53° 04' Long. 121° 43' (93H/4E)
CARIBOO M.D. Approximately 2 kilometres north-northwest of the village of Van Winkle (Stanley) on the southeast slope of Mount Nelson.

CLAIMS: ACME 1 (Lot 1665), STAR FR., STAR 3, THREE STAR 2, THREE STAR 1, WIKING 1 to 3, WONDER (Lots 1667 to 1674), THREE STAR 4 (Lot 1677), ACME FR. (Lot 1678), WONDER 1 (Lot 1680), OSLO 1 FR. (Lot 1688), ACME (Lot 7723), (14 reverted Crown-granted claims and fractions reorganized as 9 units).

OWNER: DAVID C. KING, Box 904, Vernon V1T 6M8.

METALS: Gold, silver, lead.

DESCRIPTION: The area of the property is underlain by Precambrian rocks, consisting of limestone phyllites and quartzites with the latter predominating. These rocks are termed members of the Richfield Formation of the Cariboo series. The rocks are highly deformed and fractured and have been subjected to extensive silicification. The resulting quartz veins frequently carry sulphide mineralization and, on occasion, free gold.

WORK DONE: Trenching, with backhoe, 1 trench, 600 metres long, on Star 3 and Three Star 4.

REFERENCES: Mineral Inventory 93H-54; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 219; Assessment Report 7734.

CARIBOO GOLD QUARTZ (Fig. E-1, NTS 93, No. 75)

LOCATION: Lat. 53° 06' Long. 121° 34' (93H/4E)
CARIBOO M.D. Two kilometres south of Wells on the northwest slope of Barkerville Mountain.

CLAIMS: Ninety-nine Crown-granted claims including TELLURIDE (Lot 7798), DOLLY VARDEN (Lot 7795), RAINBOW FR. (Lot 7804), RAINBOW (Lot 7794), DOLLY GREY FR. (Lot 7793), PINKERTON (Lot 356), GOLDFINCH (Lot 318), GOLDFINCH NO. 2 (Lot 301), APEX (Lot 5897), EMMA (Lot 5871), FLORENCE (Lot 10511), AMERICAN (Lot 92), CARIBOO (Lot 93).

(93H/4E)

OWNER: WHARF RESOURCES LTD., 1015, 837 West Hastings Street, Vancouver V6C 1C4.

METALS: Gold, silver, tungsten, lead, zinc, copper.

DESCRIPTION: The Cariboo Gold Quartz mine is underlain by the Midas Formation and the Rainbow and Baker members of the Snowshoe Formation of Early Paleozoic age. Most of the gold ore occurs in quartz stockworks developed in the Rainbow member or in massive pyrite layers developed at or near the Baker-Rainbow contact. Mineralized stockworks in the Rainbow member rocks consist of quartz sulphide veins and veinlets largely developed in the hangingwall or east side of prominent north-south-trending faults. Mineralized areas shown to be of possible future interest for open-pit type ore include stockworks east of the Sanders fault (Sanders zone) and east of the Rainbow fault (the Heustis zone).

WORK DONE: Diamond drilling, totalling 1 920 metres, on 6 Crown-granted claims.

REFERENCES: Mineral Inventory 93H-19; *Minister of Mines, B.C.*, Ann. Repts., 1962, p. 19; 1963, p. 38; 1964, p. 65; *Geol. Surv., Canada,* Mem. 181, Map 336A.

GOLD MOUNTAIN (Fig. E-1, NTS 93, No. 73)

LOCATION: Lat. 53° 06′ Long. 121° 40′ (93H/4E)
CARIBOO M.D. Approximately 4 kilometres southeast of the junction of Willow River and Slough Creek, with Pinkerton Creek and Coulter Creek flowing through some of the claims.

CLAIMS: AMADOR 1 to 3 (52 units), FRAN 1 (20 units), WILLOW 1 (12 units), GP 1 to 4 (25 units), GOLD MOUNTAIN A to D (80 units).

OWNER: GOLD POINT RESOURCES LTD., 500, 475 Howe Street, Vancouver V6C 2B3.

DESCRIPTION: The property is underlain by clastic sedimentary rocks and limestone of the Richfield Formation.

WORK DONE: Ground electromagnetic survey, 55 kilometres, on all claims; airborne electromagnetic and magnetometer survey, 300 kilometres, on all claims.

REFERENCES: Assessment Reports 8223, 9481.

YUMA (Fig. E-1, NTS 93, No. 64)

LOCATION: Lat. 53° 07′ Long. 121° 34′ (93H/4E)
CARIBOO M.D. Six kilometres northwest of Barkerville, just north of Wells and approximately 11 kilometres north of Elk Mountain with Valley Mountain lying 2.5 kilometres east of the claim.

CLAIM: YUMA (20 units).

OWNER: H. McGowan.

OPERATOR: INTERNATIONAL SHASTA RESOURCES LTD., 412, 1200 West Pender Street, Vancouver.

DESCRIPTION: The claim is underlain by Lower Cambrian Snowshoe Formation, quartzite, phyllite, and subsidiary limestone.

WORK DONE: Geochemical survey, 75 soil samples analysed for gold and silver.

REFERENCE: Assessment Report 8605.

EHP (Fig. E-1, NTS 93, No. 72)

LOCATION: Lat. 53° 08′ Long. 121° 33′ (93H/4E)
CARIBOO M.D. Approximately 4.5 kilometres north-northeast of Wells, 1 kilometre south-southwest of Eight Mile Lake.
CLAIMS: EHP 1 to 8.
OWNER: E. A. SPATE, 1220 Motherwell Road NE, Calgary, Alberta T2E 6E8.
DESCRIPTION: The property is completely covered by overburden.
WORK DONE: Ground electromagnetic survey, 2.2 kilometres, on all claims.
REFERENCE: Assessment Report 9805.

ACE (Fig. E-1, NTS 93, No. 67)

LOCATION: Lat. 53° 08′ Long. 121° 36′ (93H/4E)
CARIBOO M.D. Approximately 2 kilometres northwest of Wells, with Williams Creek flowing through Ace.
CLAIMS: ACE 3 Fraction, ACE 5 to 12, ACE 14 to 18, WALLACE 1 and 4 Fractions, GO (15 units).
OWNER: W. Delynn.
OPERATOR: CANCAL MINES LTD., 102B, 3350 Fraser Street, Vancouver V5V 4C1.
DESCRIPTION: The claims cover an area that is underlain by schistose greywackes and lenticular limestone of the Snowshoe Formation, Cariboo Group. The rocks are intensely folded. The economic potential consists of auriferous mineralization in quartz veins and limestone replacement.
WORK DONE: Geological mapping, 1:5000, on Go; trenching, 1 trench, 420 cubic metres, on Ace 8 and 9; linecutting, 20 kilometres; and geochemical survey, 103 soil samples analysed for gold, silver, lead, and zinc, on Ace 6, 7, 9, 10, 17, and 18.
REFERENCES: Assessment Reports 8089, 8819, 9348.

WHIPSAW (Fig. E-1, NTS 93, No. 74)

LOCATION: Lat. 53° 08′ Long. 121° 38′ (93H/4E)
CARIBOO M.D. Approximately 5 kilometres northwest of Wells Post Office; the claims are on the southern shore of Willow River with Whipsaw Gulch running through some of the claims.
CLAIMS: WHIPSAW 1 to 8.
OWNER: K. V. CAMPBELL, Box 68, Wells V0K 2R0.
DESCRIPTION: The property is underlain by bleached micaceous quartzite overlying phyllites and argillites.
WORK DONE: Ground electromagnetic surveys, 8.5 and 4.5 kilometres, on Whipsaw 1, 3, and 5; geological mapping, 1:15 500, covering all claims.
REFERENCE: Assessment Report 9560.

HARDSCRABBLE (Fig. E-1, NTS 93, No. 66)

LOCATION: Lat. 53° 09′ Long. 121° 39′ (93H/4E)
CARIBOO M.D. Approximately 100 kilometres east-northeast of Quesnel and 6 kilometres northwest of Wells, straddling Hardscrabble Creek, south of Hardscrabble Mountain.
CLAIMS: RON (20 units), DAWSON (Lot 365), MABEL (Lot 366).

OWNER: PARKLANE EXPLORATIONS LTD., 1004, 595 Howe Street, Vancouver V6C 2T5.

METAL: Tungsten.

DESCRIPTION: Bedrock exposed in cuts and workings consists of fissile quartzites, dark argillite, sandy limestone, and phyllite tentatively assigned to the Isaac Formation (Proterozoic). Contacts are gradational. The rocks are highly altered, sheared, and faulted.

WORK DONE: Trenching, 7 trenches, totalling 4 000 cubic metres; geochemical surveys, 97 soil samples analysed for lead, arsenic, tungsten, and gold and 6 rock samples analysed for tungsten, lead, zinc, silver, and gold, on about half of the property.

REFERENCES: Mineral Inventory 93H-23; *Minister of Mines, B.C.*, Ann. Rept., 1940, p. 86; Assessment Report 7989.

BAR (Fig. E-1, NTS 93, No. 69)

LOCATION: Lat. 53° 13′ Long. 121° 40′ (93H/4E)
CARIBOO M.D. Approximately 14 kilometres north-northwest of Wells, 1 kilometre south of Big Valley Creek between Two Bit Creek and Sugar Creek, straddling an unnamed creek.

CLAIMS: BAR 1 (10 units).

OWNER: AIRBORNE GEOPHYSICAL SURVEYS, 4215 Eleventh Street NE, Calgary, Alberta.

WORK DONE: Gravity survey, 3 kilometres, on Bar 1.

REFERENCE: Assessment Report 8755.

WINGDAM (Fig. E-1, NTS 93, No. 76)

LOCATION: Lat. 53° 02′ Long. 122° 58′ (93H/4W; 93G/1E)
CARIBOO M.D. In the area around Wingdam, covering Wingdam Lake, Wingdam Creek, and Lightning Creek from Everton Creek on the north end to Mosquito Creek on the south.

CLAIMS: WINGDAM 1 to 4 (20 units each).

OWNER: TANACANA MINES LTD., c/o Henshall Cottick, 200 Granville Street, Vancouver V6C 1S4.

DESCRIPTION: A few outcrops on the property consist of sericite schist and quartzite.

WORK DONE: Airborne electromagnetic and airborne magnetometer surveys, 160 kilometres each, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 219; Assessment Reports 6295, 7094, 7540, 7550, 8269.

CEE (Fig. E-1, NTS 93, No. 78)

LOCATION: Lat. 53° 16′ Long. 121° 34′ (93H/5E)
CARIBOO M.D. Approximately 0.5 kilometres south of Towkuh Creek, 5 kilometres northwest of Bowron Lake.

CLAIM: CEE (20 units).

OWNER: CCH RESOURCES LTD., 105, 355 Burrard Street, Vancouver.

WORK DONE: Airborne electromagnetic and ground magnetometer surveys, 184 kilometres, on Cee.

REFERENCE: Assessment Report 8160.

RHY (Fig. E-1, NTS 93, No. 77)

LOCATION: Lat. 53° 25′ Long. 121° 44′ (93H/5E)
CARIBOO M.D. Two kilometres west of the junction of Eighteen Mile Creek and Bowron River.
CLAIMS: RHY 1 (12 units), RHY 2 (18 units).
OWNER: CCH RESOURCES LTD., 105, 355 Burrard Street, Vancouver.
WORK DONE: Airborne electromagnetic and ground magnetometer surveys, 107 kilometres, on both claims.
REFERENCE: Assessment Report 8160.

WD (Fig. E-1, NTS 93, No. 79)

LOCATION: Lat. 53° 28′ Long. 121° 29′ (93H/6)
CARIBOO M.D. Approximately 11 kilometres northwest of Indian Lake, 7 kilometres east of the junction of Indianpoint Creek and Bowron River.
CLAIMS: WD 1 to 5 (70 units).
OWNER: KENNCO EXPLORATION, (WESTERN) LTD., 730, 505 Burrard Street, Vancouver.
DESCRIPTION: The property is underlain by argillites, dolomites, and limestones of the Black Stuart Formation (Devonian), Dome Creek Formation (Cambrian), and Mural Formation (Lower Cambrian).
WORK DONE: Linecutting, 32.85 kilometres and geochemical survey, 617 soil samples analysed for molybdenum, lead, zinc, silver, and tungsten, on all claims.
REFERENCE: Assessment Report 9331.

PURDEN LAKE, EFF (Fig. E-1, NTS 93, No. 80)

LOCATION: Lat. 53° 55′ Long. 121° 55′ (93H/13W)
CARIBOO M.D. Three claim groupings, two located near western end of Purden Lake, the third located south of Saw Creek.
CLAIMS: EFF 1 and 2 (6 units each), GEE (9 units), ACHE (12 units).
OWNER: CCH RESOURCES LTD., 105, 355 Burrard Street, Vancouver.
METAL: Gold.
WORK DONE: Airborne electromagnetic and airborne magnetometer surveys, 313 kilometres, on all claims.
REFERENCES: Mineral Inventory 93H-70; Assessment Report 8160.

MONKMAN PASS 93I

BELCOURT (Fig. E-1, NTS 93, No. 81)

LOCATION: Lat. 54° 15′ Long. 120° 22′ (93I/1W, 8W)
LIARD M.D. Approximately 150 kilometres south-southwest of Dawson Creek and 150 kilometres northeast of Prince George between Narraway River and Belcourt Creek, between Manitou and Mokasis Mountains.
CLAIMS: BELCOURT 1 to 20 (249 units).
OWNER: ESSO RECOURCES CANADA LTD., 500 Sixth Avenue SW, Calgary, Alberta.
METAL: Zinc.

DESCRIPTION: A zone of sphalerite mineralization occurs within dolomitized, porous, and bioclastic units of Rundle Group (Mississippian) carbonates within 50 metres of an erosional contact with overlying Belcourt Formation sandstones.

WORK DONE: Geological mapping, 1:25 000 and geochemical surveys, 179 rock samples analysed for lead, zinc, and silver and 16 silt and 69 soil samples analysed for copper, lead, zinc, silver, and barium, on all claims.

REFERENCE: Assessment Report 8404.

McLEOD LAKE 93J

NORTH BEND (Fig. E-1, NTS 93, No. 83)

LOCATION: Lat. 54° 15.5′ Long. 122° 22′ (93J/8W)
CARIBOO M.D. Approximately 22 kilometres northeast of Willow River, lying 4.5 kilometres south of Averil Lake.

CLAIMS: AVANBA (Lot 9602), NORTH POINT (Lot 9373), NORTH BEND (Lot 9949), YANKEE GIRL (Lot 9374), YANKEE BOY (Lot 9371), YANKEE BOY FR. (Lot 9950), ALICE (Lot 9939), MT. EDEN NO. 1 (Lot 9944), MT. EDEN NO. 2 (Lot 9945), MT. EDEN NO. 3 (Lot 9946), RIDERS (Lot 9940), INDEPENDENCE (Lot 9951), PORTLAND (Lot 9941), STANDARD (Lot 9948), TURNBULL NO. 2 (Lot 9943), GRANITE (Lot 8741), GOLD COIN (Lot 9947), NORTH BEND (6 units), NB NO. 2, NB NO. 3.

OWNER: C. F. GRAHAM, 4882 Delta Street, Delta V4K 2T8.

METALS: Tungsten, lead, zinc, gold, silver.

DESCRIPTION: The claims are underlain by granitoid gneiss, schists, and small bodies of granodiorite of the Wolverine complex which is believed to be metamorphosed and granitized Cariboo Group rocks.

WORK DONE: Geochemical surveys, 42 soil and 4 silt samples analysed for gold, silver, copper, lead, and tungsten and 4 rock samples analysed for gold, silver, and copper, on North Bend, Standard, Gold Coin, Mt. Eden No. 1 and No. 3.

REFERENCES: Mineral Inventory 93J-2; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 221; Assessment Reports 7717, 8680.

SYNDICATE (Fig. E-1, NTS 93, No. 84)

LOCATION: Lat. 54° 57′ Long. 123° 14′ (93J/14E)
CARIBOO M.D. Approximately 11 kilometres west of the northern tip of McLeod Lake and 4 kilometres west of the junction of Des Creek and McLeod River.

CLAIMS: DES 1 (12 units), DA 1 and 2.

OWNER: RANGER OIL LTD., 2600, 330 Fifth Avenue SW, Calgary, Alberta.

METAL: Gold.

DESCRIPTION: The property is underlain by interbedded volcanic and sedimentary rocks of the Slide Mountain Group (Paleozoic) including andesite, basalt, limestone, chert, and argillite. Pyrite and pyrrhotite occur as disseminations in the hornfelsed and silicified argillite near the margin of gabbro dykes.

WORK DONE: Geochemical survey, 288 soil and 4 rock samples analysed for copper, nickel, and zinc, on all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1933, p. 102; Mineral Inventory 93J-13; Assessment Report 9297.

FORT FRASER 93K

LOY, LIZ, JAN (Fig. E-1, NTS 93, No. 85)

LOCATION: Lat. 54° 01′ Long. 124° 15′ (93K/1; 93F/16)
OMINECA M.D. Sixteen kilometres west of Vanderhoof and 6 kilometres north of the west end of Tachick Lake.

CLAIMS: JAN 1 to 3 (55 units), LOY 1 and 2 (40 units), LIZ 1 (18 units).

OWNER: DENISON MINES LTD., Box 40, Royal Bank Plaza, Toronto, Ontario M5J 2K2.

DESCRIPTION: The claims are entirely underlain by Endako Group volcanic and sedimentary rocks in an overburden-covered area well in the pre-Miocene 'Tachick Basin'.

WORK DONE: 1979 – ground magnetometer survey, approximately 60 kilometres; ground radiometric survey; and geochemical survey, well waters analysed for uranium, radon, and pH, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 210; Assessment Reports 7237, 7255, 7969.

NITHI, JEN, LINDA (Fig. E-1, NTS 93, No. 57)

LOCATION: Lat. 53° 59′ Long. 124° 52′ (93F/15W; 93K/2W)
Report on this property in 93F/15W.

STORM (Fig. E-1, NTS 93, No. 90)

LOCATION: Lat. 54° 05′ Long. 125° 15′ (93K/3)
OMINECA M.D. Approximately 16 kilometres west of Endako Post Office to the south of Endako River, covering Sam Ross Creek.

CLAIM: STORM (20 units).

OWNER: P. Buckley.

OPERATOR: PLACER DEVELOPMENT LTD., Endako Mines Division, Endako V0J 1L0.

DESCRIPTION: Drilling intersected Ootsa Lake Group porphyritic andesite, Francois granite, and Boer diorite.

WORK DONE: Percussion drilling, 3 holes, totalling 289.8 metres.

REFERENCE: Assessment Report 8314.

NU, ELK (Fig. E-1, NTS 93, No. 88)

LOCATION: Lat. 54° 03′ Long. 125° 09′ (93K/3E)
OMINECA M.D. Nine kilometres south-southwest of Endako, north of the Endako River, extending between Sam Ross Creek in the west and Casey Lake in the east.

CLAIMS: DAT 2, 3, and 4 Fractions, DAT 7 and 8 Fractions, DAT 401, 403, 407, 410, 415, 416, DIS 2 Fraction, DIS 28 to 31, 26, SAM 6, 8, 10, 12, 14, 16, 35 to 44, 48 to 51, 81, 83, 85 to 87, AL 1 and 2 Fractions, BINGO 39, DAT 402, 404 to 406, 412, ELK 1 to 3, FRAN 1 to 3, 9, 17, 1 Fraction, 5 to 8 Fractions, MO 6 Fraction, 8, 9, VZ 1 to 10, CASEY 1 (4 units), DAT 1, 408, 411, 5 Fraction, 9 Fraction, 413 Fraction, DEER 12, DENAK 1 and 2 (1 unit each), ELK 8 to 10, 12, 5 Fraction, 8 to 10 Fractions, 13 Fraction, NU 7 to 10, PAT 1, 2, 23, 24, 35, 59, 60, 71, TI 2, 3.

OWNER: PLACER DEVELOPMENT LTD., Endako Mines Division, Endako V0J 1L0.

METAL: Molybdenum.

DESCRIPTION: The rock type is predominantly Endako quartz monzonite. Several drill holes intersected Casey granite. Minor molybdenite and pyrite are disseminated in the rocks.

WORK DONE: 1979 – diamond drilling, 4 holes, totalling 627 metres, on Dat 9 Fraction, DAT 410 and 412; 1980 – percussion drilling, 13 holes, totalling 1 100 metres, on MO 1, 4, and Fran 102.

REFERENCES: Mineral Inventory 93K-8, 9, 12-14; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 144; 1977, p. E 188; 1978, pp. E 211, E 212; Assessment Reports 376, 498, 523, 525, 5021, 5227, 5623, 5893, 6524, 7312, 7860, 8204.

OVAL (Fig. E-1, NTS 93, No. 87)

LOCATION: Lat. 54° 04' Long. 125° 08' (93K/3E)
OMINECA M.D. Approximately 6 kilometres southwest of Endako, 2.5 kilometres north of the northeastern tip of Savory Lake.

CLAIMS: CORA 1 Fraction, CORA 2 to 5, OVAL 1 to 8.

OWNER: PLACER DEVELOPMENT LTD., Endako Mines Division, Endako V0J 1L0.

DESCRIPTION: There are limited rock outcrops on the property. The few exposed rocks consist of leucocratic Casey granite and Endako quartz monzonite.

WORK DONE: Percussion drilling, 5 holes, totalling 290 metres, on Oval 4 and 6.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 115; Assessment Reports 2408, 8460.

AX, RON (Fig. E-1, NTS 93, No. 86)

LOCATION: Lat. 54° 05' Long. 125° 10' (93K/3E)
OMINECA M.D. Six kilometres due west of Endako Post Office and immediately south of Highway No. 16.

CLAIMS: AX 1 to 6 (20 units), JILL (8 units), JEN (12 units), SNOW (4 units).

OWNERS: RIO PLATA SILVER MINES LTD. and G. T. OATES, c/o 4882 Delta Street, Delta.

METAL: Molybdenum.

DESCRIPTION: Drilling intersected the Casey phase and the Endako phase of intrusive rocks containing minor quantities of molybdenite.

WORK DONE: Topographical survey, covering all claims, ground magnetometer survey, approximately 15 kilometres; and diamond drilling, 9 holes, totalling 1 418 metres, on AX 1, Jill, and Jen 1.

REFERENCES: Mineral Inventory 93K-15; *Minister of Mines, B.C.*, Ann. Rept., 1964, p. 62; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 222; Assessment Reports 555, 7738, 8136.

SAM, RAIN (Fig. E-1, NTS 93, No. 89)

LOCATION: Lat. 54° 03' Long. 125° 17' (93K/3W)
OMINECA M.D. Twenty-six kilometres west of the west end of Fraser Lake, 17 kilometres westerly of Endako between the headwaters of Sam Ross Creek and Haney Lake.

CLAIMS: RAIN 2 (12 units), RAIN 3 (15 units).

OWNER: PLACER DEVELOPMENT LTD., Endako Mines Division, Endako V0J 1L0.

METAL: Molybdenum.

DESCRIPTION: Two contemporaneous volcanic units underlie all claims except for the northwest corner. One volcanic unit is composed of rhyolite, quartz latite flows, and pyroclastics, while the other is composed of basalt and andesite flows and breccias. The northwest corner of the claims is underlain by porphyritic soda-rich quartz monzonite.

WORK DONE: Road building, 11 kilometres, on Rain 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 211; 1979, p. 222; Assessment Report 7516; Mineral Inventory 93K-18.

GOLDEN GLORY, SILVER GLANCE, RAIN (Fig. E-1, NTS 93, No. 91)

LOCATION: Lat. 54° 17' Long. 125° 53' (93K/5W)
OMINECA M.D. Approximately 6 kilometres south-southeast of the junction of Lakes Creek and Endako River, with Gerow Creek cutting through the centre of the claims in an east-west direction.

CLAIMS: DECK 1 to 10 (23 units), FISH 1 to 5 (59 units).

OWNER: LACANA MINING CORP., 312, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, silver.

DESCRIPTION: Outcrop is limited. The claims are generally underlain by pillow lavas, andesite and basalt flows, porphyritic andesite, and a massive maroon-red basalt tentatively ascribed to the Houston phase of the Buck Creek Group. Sulphides are associated with pillow lavas and with shears.

WORK DONE: Geological mapping, 1:2000, on Deck 1; ground electromagnetic surveys, 23 kilometres; sampling, 100 rock and 573 soil samples taken; and diamond drilling, 4 NQ holes, totalling 509 metres, on Deck 1 and 10.

REFERENCES: Mineral Inventory 93K-30, 31; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 214; 1979, p. 223; Assessment Reports 3065, 3586, 4849, 6917, 7114, 7498, 8726.

KID (Fig. E-1, NTS 93, No. 93)

LOCATION: Lat. 54° 24' Long. 124° 52' (93K/7W)
OMINECA M.D. Approximately 12 kilometres southwest of Grassham Lake, 5 kilometres south-southeast of the junction of Gravel Creek and Sutherland River, 40 kilometres west-southwest of Fort St. James.

CLAIMS: PIRATE (20 units), PIRATE 2 (16 units).

OWNER: C. KOWALL, Millers Landing Road, Bower Island V0N 1G0.

METAL: Molybdenum.

DESCRIPTION: Multiphase quartz monzonite is intrusive into Cache Creek argillaceous sedimentary rocks which are hornfelsed along the contact. A stockwork of quartz stringers containing pyrite and molybdenite occurs in both the monzonite and hornfelsed sedimentary rocks.

WORK DONE: Traversing, approximately 7 500 metres; mapping (outcrops), 1:5000; and geochemical survey, 25 rock samples analysed for molybdenum, copper, lead, zinc, tungsten, tin, and silver, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 253; Mineral Inventory 93K-3; Assessment Reports 1866, 4543, 5119, 8475.

SNOWBIRD (STUART LAKE ANTIMONY) (Fig. E-1, NTS 93, No. 92)

LOCATION: Lat. 54° 28′ Long. 124° 30′ (93K/7E, 8W)
OMINECA M.D. Approximately 15 kilometres west of Fort St. James. The property is situated on the coastline of Stuart Lake between Kasaan and Sawchea Bays.

CLAIMS: SAWCHEA (12 units), BOARCHEA (6 units), SNOWBIRD, CAMPSITE, SHAFT Fraction.

OWNER: PRISM RESOURCES LTD., 744 West Hastings Street, Vancouver V6C 1A5.

METALS: Gold, antimony, selenium.

DESCRIPTION: The property is underlain by Pennsylvanian Cache Creek argillites, shales, banded chert, quartzite, limestone, andesite tuffs and breccias, and serpentine. Two quartz-mariposite veins (300 degrees, 40 to 50 degrees) carry stibnite as massive fracture fillings and fine disseminations.

WORK DONE: Diamond drilling, 10 NQ holes, totalling 606.82 metres, on Shaft Fraction, Campsite, and Snowbird.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 254; Mineral Inventory 93K-36; Assessment Reports 2764, 3520, 8613.

NOBLE (Fig. E-1, NTS 93, No. 94)

LOCATION: Lat. 54° 16′ Long. 124° 15′ (93K/8)
OMINECA M.D. Nineteen kilometres south-southeast of Fort St. James, near the road and between Dog and Tash Creeks.

CLAIMS: NOBLE A (5 units), NOBLE B (6 units), NOBLE C (3 units), NOBLE D (6 units).

OWNER: A. G. WILSON, 9352 – 101A Avenue, Edmonton, Alberta T5H 0C3.

METAL: Copper.

DESCRIPTION: A large peridotite dyke has been found at one locality with a mineralized fault zone occuring in one fracture wall zone of this dyke. Olivine and olivine gabbro have been found at one locality and andesite porphyry is also found.

WORK DONE: Five trenches, 42 metres total length, on Noble D.

REFERENCES: Mineral Inventory 93K-90; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1978; p. E 215; 1979, p. 223.

VAN DECAR CREEK (Fig. E-1, NTS 93, No. 96)

LOCATION: Lat. 54° 55′ Long. 125° 21′ (93K/14W)
OMINECA M.D. Sixteen kilometres west-northwest of the junction of the Middle River and Trembleur Lake, on the northeast slopes of Mount Sidney Williams.

CLAIMS: CR 1 to 5 (79 units).

OWNER: V. GUINET, Box 1132, Prince George.

METAL: Chromium.

DESCRIPTION: Chromite occurs as an irregular shaped lens in serpentinized diorite.

WORK DONE: Prospecting, 1:5000, on CR.

REFERENCES: *Geol. Surv., Canada*, Mem. 252, p. 191; Mineral Inventory 93K-41; Assessment Report 8135.

SMITHERS 93L

GOOSLY LAKE (Fig. E-1, NTS 93, No. 99)

LOCATION: Lat. 54° 09′ Long. 126° 15′ (93L/1)
OMINECA M.D. Approximately 12.8 kilometres north-northwest of Colleymount.

CLAIMS: DINA 1 to 3 (44 units), NWB 61, NWB 63, NWB 65, NWB 67 , NWB 180 to 183.

OWNER: MUTUAL RESOURCES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.

METALS: Silver, copper.

DESCRIPTION: Bedrock, generally restricted to ridge tops and creek bottoms at 304 metres above sea level, is Tertiary flows. Recent reconnaissance indicates Mesozoic rocks as (1) sequence of tuffs and argillites in which all holes were drilled, (2) conglomerates and greywackes, and (3) massive argillite with pyrite concretions and minor chalcopyrite.

WORK DONE: Geological mapping, 1:10 000; and diamond drilling, 6 BQ holes, totalling 932.6 metres, on NWB 67, 180, and Dina 2.

REFERENCES: Mineral Inventory 93L-260; Assessment Report 9075.

TOW (Fig. E-1, NTS 93, No. 98)

LOCATION: Lat. 54° 08′ Long. 126° 28′ (93L/1W)
OMINECA M.D. Approximately 13.5 kilometres north-northwest of the mouth of Parrott Creek and Francois Lake.

CLAIMS: TOW (4 units), DOR (18 units), LAD (12 units), FIN (20 units), RUF (20 units), LAN (20 units), ROK (20 units), TRI (6 units), GOS (15 units), BIC (15 units), RIN (2 units), VAN (12 units), MIN Fraction (1 unit), ILO (20 units), CUB (20 units), POP (20 units).

OWNER: I. H. Shearing.

OPERATORS: GEOKOR ENERGY HOLDINGS LTD. and NUSUN DRILLING LTD., 908 West Seventh Avenue, Vancouver V5Z 1C3.

DESCRIPTION: Drilling intersected tuffaceous andesites and basalts.

WORK DONE: Diamond drilling, 2 holes, totalling 41.148 metres, on Tow.

REFERENCE: Assessment Report 8828.

GILLIAN (Fig. E-1, NTS 93, No. 97)

LOCATION: Lat. 54° 09′ Long. 126° 25′ (93L/1W)
OMINECA M.D. Thirty-three kilometres southeast of Houston, 5 kilometres southwest of Goosly Lake.

CLAIMS: DOUGLAS 1 (12 units), LOYD (8 units), LOYD NORTH (14 units), DIANE (6 units), GILLIAN WEST (12 units), GILLIAN EAST (8 units).

OWNER: GILLIAN MINES LTD., 1650 Riverside Drive, North Vancouver.

DESCRIPTION: Volcanic tuffs and flow rocks (Mesozoic-Tertiary) are intruded by a syenogabbro stock. The volcanic flow rocks include autobrecciated rhyolite.

WORK DONE: 1979 – linecutting, 13 kilometres; and ground electromagnetic survey, 16.5 kilometres, on Gillian West and Gillian East; diamond drilling, 3 NQ holes, totalling 504 metres, on Gillian West.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 144; Assessment Reports 6148, 6150, 6151, 8189.

SILVER QUEEN (NADINA) (Fig. E-1, NTS 93, No. 101)

LOCATION: Lat. 54° 04′ Long. 126° 44′ (93L/2E)
OMINECA M.D. Thirty-six kilometres south of Houston, 1.5 metres east of Owen Lake.

CLAIMS: SILVER KING (Lot 6547), TYEE (Lot 6548), SILVER QUEEN (Lot 6549), SILVER TIP (Lot 6550), IXL (Lot 6551), EARL NO. 1 (Lot 7399), EARL NO. 2 (Lot 7400), EARL NO. 1 FR. (Lot 7401), EARL NO. 3 (Lot 7402), IXL NO. 3 (Lot 7403), LUCY (Lot 7404), MARY (Lot 7540), LILY FR. (Lot 7541), MARY FR. (Lot 7542), ASTA FR. (Lot 7543), MAE NO. 1 (Lot 7544), MAE (Lot 7545), SILVER 1 to 7 (94 units), TIP TOP 1 (6 units), COLE 1 (4 units).

OWNERS: New Nadina Explorations Ltd. and Placer Development Ltd.

OPERATOR: NEW NADINA EXPLORATIONS LTD., 11, 4644 Lazelle Avenue, Terrace.

METALS: Zinc, lead, copper, silver, gold.

DESCRIPTION: Mineralization occurs in siliceous veins within microdiorite and acid volcanic rocks.

WORK DONE: Trenching, 2501 metres; and stadia survey, 375 stations, on Silver King, Earl, IXL, Mae, and Silver 4; diamond drilling, totalling 309.3 metres, on Silver 4; drifting and rehabilitation, 1 830 metres, on Earl 1 and Fr., Silver King, IXL, and IXL No. 3.

REFERENCES: Mineral Inventory 93L-2, 162; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 190; 1979, p. 224; Assessment Reports 6456, 7343, 7612.

WINNINYIK HILL (Fig. E-1, NTS 93, No. 102)

LOCATION: Lat. 54° 08′ Long. 126° 42′ (93L/2E)
OMINECA M.D. Approximately 5 kilometres west-southwest of the northern tip of Parott Lakes, with Neuch Lakes lying on the centre of Ewe 3 claim and Winninyik Hill lying on the most southwest corner of the claim group.

CLAIMS: EWE 1 (18 units), EWE 2 (9 units), EWE 3 (12 units).

OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver V6E 3A8.

METALS: Lead, zinc, copper, silver.

DESCRIPTION: Ninety per cent of the property is covered by ground moraine with the remainder being mainly colluvium or organics. Typically, the ground moraine is less than 5 metres thick and the material locally derived.

WORK DONE: Airborne electromagnetic survey and airborne magnetometer survey, 337 kilometres, covering all claims; ground electromagnetic survey and ground magnetometer survey, 1.2 kilometres, on Ewe 2; geochemical survey, 1 410 soil samples analysed for silver, lead, zinc, copper, and molybdenum and 32 analysed for silver, gold, and arsenic, on Ewe 2.

REFERENCES: Mineral Inventory 93L-218; Assessment Report 8596.

RAM (Fig. E-1, NTS 93, No. 100)

LOCATION: Lat. 54° 12′ Long. 126° 38′ (93L/2E)
OMINECA M.D. Approximately 11 kilometres north of the junction of Peter Aleck Creek and Nadina River.

CLAIMS: RAM 1 to 7 (81 units).

OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver V6E 3A8.

DESCRIPTION: Photomapping indicates that 50 per cent of the property is covered by ground moraine with the remainder being mainly colluvium, kame moraine, and organics. Ground moraine is generally less than 5 metres thick and locally derived.

WORK DONE: Ground magnetometer survey and ground electromagnetic survey, 21.5 kilometres, on Ram 5 and 6; airborne electromagnetic survey and airborne magnetometer survey, 205 kilometres; orthophotos, 1:20 000, 1:50 000; and geochemical survey, 3 500 soil samples analysed for copper, molybdenum, lead, zinc, and silver, on all claims.

REFERENCES: Assessment Reports 4190, 8857.

DUAL (Fig. E-1, NTS 93, No. 41)

LOCATION: Lat. 53° 59' Long. 126° 53' (93E/15W; 93L/2W)
Report on this property in Metals section 93E/15W.

POPLAR (Fig. E-1, NTS 93, No. 103)

LOCATION: Lat. 54° 01' Long. 126° 59' (93L/2W; 93E/15W)
OMINECA M.D. Forty-eight kilometres south-southwest of Houston, on the north side of Tagetochlain (Poplar) Lake.

CLAIMS: POPLAR 1 to 20, 33, 35, 37, 48 to 97, POPLAR 1 and 2 Fractions, DON 1 to 15, 26 to 36, 45 to 54, PINE 1 to 22, LAKE 1 to 36, DAVE 1, 2, 4, and 5 Fractions, TAG 1 to 16, 23 to 42, 195 to 212, TAG 1 and 2 Fractions, HILL 15 to 18, WAR 1 (4 units).

OWNER: National Trust Co. Ltd.

OPERATOR: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: Volcanic and sedimentary rocks of the Hazelton Group are intruded by feldspar porphyry stocks and dykes in a northwesterly trend. A unique granodioritic biotite porphyry stock contains pyrite, chalcopyrite, and molybdenite as fracture fillings.

WORK DONE: Diamond drilling, 13 holes, 3 241.3 metres, on Poplar 3, 5 and Poplar 1 Fraction, Dave 2 Fraction; reclamation, slashing and reseeding disturbed land.

REFERENCES: Mineral Inventory 93L-239; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E145, E146; 1977, p. E 191; 1979, p. 226; Assessment Reports 3655, 5360, 5361, 5586, 5679, 6065, 6136, 7983, 8129, 8186.

RED, CODE (Fig. E-1, NTS 93, No. 104)

LOCATION: Lat. 54° 10' Long. 126° 57' (93L/2W, 3E)
OMINECA M.D. South of Morice River between Lamprey and Fenton Creeks, approximately 30 kilometres southwest of Houston.

CLAIMS: RED (16 units), RED 2 (9 units), JAY 2 (20 units), FEN 181 to 196, 207 to 217, 223 to 233, 237, 253, COF 8 to 11, CODE 3 to 15, 21 to 30, 40 to 44, 204, 205.

OWNERS: Mattagami Lake Exploration Ltd. and Anaconda Canada Exploration Ltd.

(93L/3E)

OPERATOR: **MATTAGAMI LAKE EXPLORATION LTD.**, 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

METALS: Gold, lead, zinc.

DESCRIPTION: The area is underlain by Eocene (Ootsa Lake Group) andesite and felsic tuff and the Oligocene-Miocene (Buck Creek volcanic rocks) magnetite-rich andesites and interbedded freshwater sedimentary rocks.

WORK DONE: Linecutting, 14.6 kilometres, airborne electromagnetic survey and airborne magnetometer survey, 511 kilometres, ground electromagnetic survey, 35.4 kilometres, and geochemical survey, 1 223 soil samples analysed for copper, lead, zinc, and silver, all on Red, Red 2, Code, Fen 189, Fen 223, and Cof 8-11; diamond drilling, 9 holes, totalling 745.3 metres, on Red, Code 6, 7, and 21.

REFERENCES: Mineral Inventory 93L-4; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 147; 1977, p. E 192; 1978, pp. E 216, E 217, 1979, p. 225; Assessment Reports 799, 1229, 2734, 2898, 3257, 3646, 6320, 6554, 7014, 7821, 8247, 8354, 9605.

HAGAS (Fig. E-1, NTS 93, No. 105)

LOCATION: Lat. 54° 09′ Long. 127° 02′ (93L/3E)
OMINECA M.D. Approximately 32 kilometres southwest of Houston. Claims lie just to the east of Lamprey Creek and smaller creeks run north through the claims to Morice River.

CLAIMS: HAGAS 1, 3 to 6, 16, HAGAS 81 Fraction, HAGAS 84 Fraction, plus HAGAS 76 (4 units), HAGAS 77 (4 units), HAGAS 78 (18 units), HAGAS 79 (3 units), HAGAS 80 (8 units), HEM (12 units).

OWNERS: W. W. Bennett and Catre Industries Ltd.

OPERATOR: **CATRE–BEN JOINT VENTURE**, 905, 1111 West Hastings Street, Vancouver.

METALS: Zinc, copper.

DESCRIPTION: Maroon, grey, and yellowish pyroclastics, tuffs, and andesitic and rhyolitic flows of the Jurassic Hazelton Group are overlain by fresh, dark green, aphanitic andesite flows of the Buck Creek volcanic rocks. Sulphides are scarce.

WORK DONE: Geological mapping, 1:5000, 1:1000, and 1:100; linecutting, 42.1 kilometres; ground electromagnetic survey, ground magnetometer survey, and airborne electromagnetic survey, 42.1 kilometres; geochemical survey, 387 soil samples analysed for copper, lead, and zinc, on Hagas 1-6, 16, 76-80, 81 and 84 Fractions, and Hem.

REFERENCES: Mineral Inventory 93L-221; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 192; 1978, p. E 217; Assessment Reports 4194, 6233, 6658, 8447.

FOG, FLY (Fig. E-1, NTS 93, No. 106)

LOCATION: Lat. 54° 29′ Long. 127° 09′ (93L/6E)
OMINECA M.D. Approximately 38 kilometres south of Smithers and 11 kilometres east of Mooseskin Johnny Lake; Webster Creek crosses property.

CLAIMS: WEBSTER 1 and 2 (15 units each).

OWNER: Redfern Resources Ltd.

OPERATOR: CANADIAN NICKEL CO. LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9.

METALS: Molybdenum, copper, silver, lead, zinc, iron.

DESCRIPTION: The Webster property is underlain by a quartz-monzonite plug intrusive into Hazelton volcanic rocks. The pluton (Sunsets Creek stock) shows some porphyritic character; argillic and potassic alterations are recognized, molybdenite-chalcopyrite-quartz mineralization is present.

WORK DONE: Geological mapping, 1:6061; and geochemical survey, 9 rock samples analysed for molybdenum and copper.

REFERENCES: Mineral Inventory 93L-45-47; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 128; Assessment Reports 1922, 8444.

CUP (Fig. E-1, NTS 93, No. 107)

LOCATION: Lat. 54° 27′ Long. 126° 39′ (93L/7E)
OMINECA M.D. On Mount Harry Davis, 7 kilometres north of Houston.

CLAIM: HILLTOP (4 units).

OWNER: W. MOLL, Box 144, Houston V0J 1Z0.

METALS: Lead, zinc, copper.

DESCRIPTION: Sphalerite, galena, pyrite, and chalcopyrite occur in acid fragmentals and flows of the Hazelton Group.

WORK DONE: Trenching, 1 trench, 7 metres long.

REFERENCES: Mineral Inventory 93L-203; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 194; 1979, p. 227.

LAKEVIEW (Fig. E-1, NTS 93, No. 108)

LOCATION: Lat. 54° 29′ Long. 126° 36′ (93L/7E)
OMINECA M.D. Five kilometres northwest of Knockholt Station near the junction of Barren and McQuarrie Creeks.

CLAIMS: LAKEVIEW (1 unit), LAKEVIEW 2 (9 units), LAKEVIEW 3 (20 units), LAKEVIEW 4 (12 units).

OWNER: BUTLER MOUNTAIN MOLY CORP., Box 1101, Merritt.

METALS: Copper, zinc, silver.

DESCRIPTION: Previous work has shown presence of a mineralized shear zone in the Hazelton volcanic rocks which extends over 500 metres in length. Mineralization consists of chalcopyrite, sphalerite, and pyrite in volcanic rocks that have been hematized, chloritized, and epidotized. Widths range from 1 to 2 metres and grade from trace to 12 per cent copper, trace to 2 to 9 per cent zinc, trace to 0.16 ounce per ton gold, and trace to 20.6 ounce per ton silver.

WORK DONE: Geological mapping; linecutting, 6.5 kilometres and 69.5 kilometres; ground magnetometer survey, 57.5 kilometres; and geochemical survey, 2 103 soil samples analysed for copper, silver, and zinc, on Lakeview 2-4.

REFERENCES: Mineral Inventory 93L-30; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 173; Assessment Reports 2145, 2732.

JOHN, LORI (Fig. E-1, NTS 93, No. 109)

LOCATION: Lat. 54° 27′ Long. 126° 25′ (93L/8W)
OMINECA M.D. Approximately 2.5 kilometres directly north from Old Man Lake, with Lars Lake on the John claim.

CLAIMS: JOHN (18 units), LORI (18 units).

(93L/9)

OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver V6E 3A8.

DESCRIPTION: Sixty per cent of the property is covered by ground moraine with the remainder being rock or colluvium. Ground moraine is typically less than 5 metres thick and the material is generally locally derived.

WORK DONE: Road building, 8.6 kilometres; linecutting, 25 kilometres, airborne electromagnetic and airborne magnetometer surveys, 39 kilometres; ground electromagnetic survey, 17.75 kilometres and ground magnetometer survey, 12.25 kilometres; and geochemical survey, 945 soil samples analysed for silver, lead, zinc, copper, and molybdenum, on both claims.

REFERENCES: Assessment Reports 4762, 8870.

TOPLEY RICHFIELD (Fig. E-1, NTS 93, No. 111)

LOCATION: Lat. 54° 35′ Long. 126° 16′ (93L/9)
OMINECA M.D. Eleven kilometres north of Topley, on the west side of Tachek Mountain.

CLAIMS: CDF 1 to 4, RICHFIELD 1 (20 units), RICHFIELD 2 (20 units), RICHFIELD 3 (15 units), RICHFIELD 4 (12 units), RICHFIELD 5 (10 units).

OWNERS: F. B. Whiting and Cobre Exploration Ltd.

OPERATOR: COBRE EXPLORATION LTD., 1289 Emery Place, North Vancouver V7J 1R2.

METALS: Gold, silver, zinc, copper.

DESCRIPTION: The property includes the old Topley Richfield workings. An alteration zone (Topleyite) within Jurassic andesite consists of quartz and ankerite veins and breccia containing gold, silver, and sulphide minerals.

WORK DONE: Road building, 300 metres, on Richfield 1; percussion drilling, 1 hole, 151.48 metres, on Richfield 2; linecutting, 20 kilometres; and ground magnetometer survey, on CDF 1-4 and Richfield 1-4; diamond drilling, 28 holes, totalling 5 354 metres, on CDF 1 and 2, Richfield 2.

REFERENCES: Mineral Inventory 93L-18; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 228; Assessment Reports 5438, 5553, 5707, 7817, 7957, 8525, 9294.

MONA (Fig. E-1, NTS 93, No. 110)

LOCATION: Lat. 54° 35′ Long. 126° 18′ (93L/9W)
OMINECA M.D. Approximately 2.2 kilometres directly east of the junction of Redtop and Holmes Creeks, with Holmes Creek flowing through the north tip of the property.

CLAIM: MONA (10 units).

OWNER: POLA RESOURCES LTD., 609, 515 Seymour Street, Vancouver V6B 3H7.

DESCRIPTION: The bedrock is covered by overburden, but the inferred lithology consists of the Hazelton volcanic rocks which are intruded by the Topley monzonites. Similar geological environment nearby hosts silver and copper mineralization.

WORK DONE: Ground electromagnetic survey, 18.5 kilometres.

REFERENCE: Assessment Report 9505.

SUMMIT (Fig. E-1, NTS 93, No. 95)

LOCATION: Lat. 54° 44′ Long. 126° 45′ (93L/10)
OMINECA M.D. Approximately 17.5 kilometres north of the junction of Bulkley River and Robin Creek with Guess Lake lying near the centre of the group.

CLAIMS: JUNE 1 (12 units), JUNE 2 (20 units), JUNE 3 (20 units), MAY (9 units), SUMMIT 1 to 4, 7, 8, HB 4, 6, 21 to 23, HB Fraction 1 to 4.

OWNER: D. GROOT LOGGING LTD., Box 520, Smithers.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by the Jurassic Telkwa Formation of the Hazelton Group; rhyolitic dacite, andesitic tuffs, and flows. Near Burbridge Lake the Telkwa is intruded by a sill-like complex, porphyritic and near a granodiorite at the top, becoming more mafic toward a diorite at the bottom. It is 150 to 200 metres thick and at least 1 500 metres long. Both intrusive and intruded rocks are altered to the greenschist facies.

WORK DONE: Trenching, 1 910 cubic metres; diamond drilling, 4 NQ holes, totalling 650.2 metres; and geochemical survey, 1 056 soil samples analysed for gold, silver, copper, molybdenum, and zinc, on June 1 and 3, HB 2 Fraction, 21, 22, Summit 1, 2, and 4.

REFERENCES: Mineral Inventory 93L-223; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. E 345; Exploration in B.C., 1975, p. E 141; 1976, pp. E 150, E 151; 1977, p. E 195; Assessment Report 9073.

GROUSE (Fig. E-1, NTS 93, No. 112)

LOCATION: Lat. 54° 32′ Long. 126° 44′ (93L/10E)
OMINECA M.D. Approximately 4.3 kilometres west of the mouth of McQuarrie Creek and McQuarrie Lake.

CLAIMS: GRANDVIEW (Lot 6475), LAKEVIEW (Lot 6284), LOWER (Lot 6477), RAMM 1 (18 units), RAMM 2 (4 units), GROUSE MOUNTAIN (20 units), EUREKA (Lot 6473), CARIBOO (Lot 6476), RUBY (Lot 6474), COPPER CROWN (Lot 6472), MAYFLOWER (Lot 6471), MAISIE (Lot 7254).

OWNER: Northern Copper Ridge Mines Ltd.

OPERATOR: RAMM VENTURE CORP., 412, 200 Granville Street, Vancouver V6C 1S4.

METALS: Zinc, silver, copper.

DESCRIPTION: Thin-bedded grey and green tuffs, sandstones, argillites, and agglomerates of the Babine shelf facies are cut by numerous dykes and sills of the Lower Cretaceous Bulkley. Two layers of feldspar porphyry dykes outcrop and several lamprophyre dykes were encountered underground. Chalcopyrite and sphalerite occur in well-bedded green tuffs.

WORK DONE: Geological mapping, 1:500; topographical survey, 1:5000; linecutting, 3.5 kilometres; and ground electromagnetic survey, 2 kilometres, on Eureka, Copper Crown, and Lakeview.

REFERENCES: Mineral Inventory 93L-26, 206, 251, *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, pp. 158, 159; Assessment Reports 726, 9087.

BABS (Fig. E-1, NTS 93, No. 114)

LOCATION: Lat. 54° 44′ Long. 126° 38′ (93L/10E)
OMINECA M.D. Approximately 33 kilometres east of Smithers, lying on the south and east slopes of Dome Mountain, just north of Deception Lake.

CLAIMS: BABS 3 (20 units), BABS 4 (20 units), BABS 5 (18 units).
OWNER: SILVER STANDARD MINES LTD., 904, 1199 West Hastings Street, Vancouver.
METALS: (Lead, zinc, copper).
DESCRIPTION: The property is underlain by andesite pillow lavas, flow breccia, and tuff with intercalated and deformed quartz-graphite schist and quartzite. Pyrite, arsenopyrite, sphalerite, galena, chalcopyrite, and tetrahedrite occur in quartz veins preferentially within schists and tuffs.
WORK DONE: Geological mapping; and geochemical survey, 7 rock samples analysed for gold and silver, on all claims.
REFERENCE: Assessment Report 8313.

DOME MOUNTAIN **(Fig. E-1, NTS 93, No. 113)**

LOCATION: Lat. 54° 45′ Long. 126° 38′ (93L/10E, 15E)
OMINECA M.D. Thirty-two kilometres east of Smithers on the slopes of Dome Mountain.
CLAIMS: DOME 1 to 6 (Lots 2888, 2904, 2908, 2917, 2911, 2920), HAWK (Lot 2888), SNOWDROP (Lot 2904), NO. 1 (Lot 2908), NO. 4 (Lot 2914), WALLACE (Lot 2911), WALLACE FR. (Lot 2920), REPEATER 1 (20 units), REPEATER 2 (20 units).
OWNERS: Reako Explorations Ltd. and Panther Mines Ltd.
OPERATOR: REAKO EXPLORATIONS LTD., 501, 409 Granville Street, Vancouver V6C 1T2.
METALS: Gold, silver, copper, zinc.
DESCRIPTION: The bedrock consists of volcanic rocks and sedimentary formations of the Middle Jurassic Hazelton Group. The volcanic rocks are composed of green, purple, and red tuff, breccia, and andesitic flows. Some of the tuff and breccia is waterlain and some of the flows are pillow lavas. The sedimentary formations are composed of argillite and some sandy and tuffaceous beds. Limestone is interbedded with the volcanic rocks. The mineralization on the property is found in quartz veins which are mineralized with pyrite, chalcopyrite, arsenopyrite, sphalerite, and galena.
WORK DONE: Trenching, 4 trenches, 12.2 metres total length, on Hawk.
REFERENCES: Mineral Inventory 93L-22; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 230; Assessment Report 7633.

CRATER, LAVA **(Fig. E-1, NTS 93, No. 115)**

LOCATION: Lat. 54° 31′ Long. 127° 07′ (93L/11E)
OMINECA M.D. Approximately 21 kilometres south of Telkwa River, with Webster Creek cutting through the northwest corner of the claim group.
CLAIMS: COPPER 1 to 4 (8 units each), HANKIN 1 to 16, OLD TOM 1 and 2.
OWNER: MECCA MINERALS LTD., 1102, 207 West Hastings Street, Vancouver.
METALS: Copper, silver.
DESCRIPTION: Green agglomerates, green and red andesites, and basalts of the Hazelton Group are intruded by felsic dykes and sills. The rocks form a broad anticline striking northwesterly. Faults and shear zones are prominent. Hematite, bornite, malachite, azurite, chalcopyrite, chalcocite, and tetrahedrite occur in narrow veins in transverse faults and shear zones.

WORK DONE: Induced polarization survey, 4 kilometres; ground magnetometer survey, approximately 20 kilometres; and dip needle, 20 kilometres, on Copper 1-4.

REFERENCES: Mineral Inventory 93L-37-39; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 151; 1978, p. E 220; Assessment Reports 4811, 7070, 8624.

LOU (Fig. E-1, NTS 93, No. 117)

LOCATION: Lat. 54° 51′ Long. 127° 41′ (93L/13E)
OMINECA M.D. One kilometre west-southwest of Lousie Lake and approximately 38 kilometres west-northwest from Smithers, with Coal Creek flowing through the property.

CLAIMS: LOUISE LAKE (4 units).

OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.

METALS: Copper, molybdenum.

DESCRIPTION: Property is underlain (Leahey) by Netalzul volcanic rocks of the Jurassic Bowser Lake Group. Mineralization by copper, molybdenum, and tennantite is known. There is little direct information on the geology of the property.

WORK DONE: Airborne electromagnetic and airborne magnetometer survey, 100 kilometres, on Louise Lake.

REFERENCES: Mineral Inventory 93L-79; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 151; 1977, p. E 197; 1979, pp. 228, 229; Assessment Reports 1999, 2278, 2372, 2697, 2698, 2937, 6105, 8710.

GLACIER GULCH (YORKE–HARDY) (Fig. E-1, NTS 93, No. 199)

LOCATION: Lat. 54° 49′ Long. 127° 18′ (93L/14W)
OMINECA M.D. Eight kilometres west of Smithers, covering Glacier Gulch on Hudson Bay Mountain.

CLAIMS: Mineral Leases M-81 to M-85, and located claims JAY, D, F, H, K, M, R, T, and Y (total 146 located claims).

OWNER: CLIMAX MOLYBDENUM CORP. OF BRITISH COLUMBIA, LTD., Box 696, Smithers V0J 2N0.

METALS: Molybdenum, (tungsten, copper).

DESCRIPTION: Diamond drilling intersected mainly grey, porphyritic granodiorite, including some volcanic rocks and lamprophyre dykes. Pyrite, magnetite, chalcopyrite, scheelite, and molybdenite occur in quartz vein stockworks.

WORK DONE: Diamond drilling, (NQ), totalling 274.5 metres, on Molly 5 and 3, and Bismuth 6.

REFERENCES: Mineral Inventory 93L-107-110; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 149; 1977, p. E 197, 1979, p. 229; Assessment Reports 1730, 2245, 4756, 4871, 5041, 5928, 6480, 7565, 7780.

BR (Fig. E-1, NTS 93, No. 118)

LOCATION: Lat. 54° 57′ Long. 127° 15.2′ (93L/14W)
OMINECA M.D. Approximately 6.4 kilometres directly north of Evelyn, with Bulkley River flowing through the centre of the property.

CLAIMS: BR 1 to 4.

OWNER: S. Homenuke.

(93M/1W)

OPERATOR: TRI–CON MINING LTD., 2580, 1066 West Hastings Street, Vancouver.
DESCRIPTION: Greywacke or dark grey dense shale seen in one outcrop. Several narrow quartz and quartz-siderite veins were seen near old workings.
WORK DONE: Geochemical survey, 16 soil samples analysed for copper, zinc, silver, arsenic, mercury, and molybdenum and 1 rock sample analysed for copper, lead, zinc, silver, and gold, on all claims.
REFERENCE: Assessment Report 8940.

HAZELTON 93M

OFF, DDT (Fig. E-1, NTS 93, No. 121)

LOCATION: Lat. 55° 04′ Long. 126° 20′ (93M/1W)
OMINECA M.D. Approximately 64 kilometres northeast of Smithers, approximately 4 kilometres north of Old Fort (which is situated on Babine Lake) and 3 kilometres southeast of Old Fort Mountain.
CLAIM: BAD NEWS (20 units).
OWNER: T. LISLE, 316, 470 Granville Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: Copper and molybdenum mineralization occurs within a small multiphase quartz diorite plug (Upper Cretaceous to Lower Tertiary) intruding sedimentary and volcanic rocks (Mid-Jurassic).
WORK DONE: Geological mapping, 1:10 000 and 1:240.
REFERENCES: Mineral Inventory 93M-4; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 267; Assessment Report 8312.

WOLF (Fig. E-1, NTS 93, No. 120)

LOCATION: Lat. 55° 13′ Long. 126° 23′ (93M/1W)
OMINECA M.D. Approximately 21 kilometres northwest of Old Fort. The claims lie 3 kilometres northeast of Saddle Hill on the western border of Morrison Lake.
CLAIMS: WOLF 1 and 2 (9 units each), WOLF 3 (8 units).
OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.
METALS: (Copper, molybdenum).
DESCRIPTION: Drilling intersected biotite feldspar porphyry and quartz monzonite stock of mid-Tertiary age. Best intersection was 1.3 metres of 4.20 per cent copper in the biotite feldspar porphyry.
WORK DONE: 1979 – geochemical survey, 73 soil samples analysed for zinc, lead, copper, and molybdenum, on Wolf 1; 1980 – diamond drilling, 1 BQ hole, totalling 152.4 metres, on Wolf 2.
REFERENCES: Mineral Inventory 93M-8; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 153, E 154; Assessment Reports 761, 1240, 1808, 1854, 2047, 5941, 8176, 8779.

SNOW (Fig. E-1, NTS 93, No. 122)

LOCATION: Lat. 55° 09′ Long. 127° 15′ (93M/3)
OMINECA M.D. Approximately 16 kilometres north-northwest from Moricetown with Luno Creek flowing north of the property.

CLAIMS: SNOW (20 units), AVALANCHE (16 units), KAREN (16 units).

OWNER: WINSTON LODGE, 6918 – 150th Street, Surrey.

DESCRIPTION: The property is underlain predominantly by granodiorite, Early Tertiary (?), intrusive into Upper Jurassic-Lower Cretaceous Hazelton Group sedimentary rocks. Copper-molybdenum occurrences are known within the granodiorite.

WORK DONE: Geochemical survey, 23 silt samples analysed for copper and molybdenum, covering all claims.

REFERENCE: Assessment Report 8716.

BRIAN BORU, KILLARNEY (Fig. E-1, NTS 93, No. 126)

LOCATION: Lat. 55° 04′ Long. 127° 37′ (93M/4E)
OMINECA M.D. Approximately 18.5 kilometres south-southeast of New Hazelton straddling south fork of Brian Boru Creek, 3 kilometres west of Brian Boru Park.

CLAIMS: GAM 1 and 2 (6 units each), GAM 3 (10 units), GAM 4 (4 units).

OWNER: ASARCO EXPLORATION CO. OF CANADA LTD., 504, 535 Thurlow Street, Vancouver.

METALS: Silver, zinc, gold, lead, copper.

DESCRIPTION: Varicoloured porphyritic andesite flow rocks, breccias, tuffs, minor sandstone, and conglomerate of the Brian Boru Formation are in fault contact with greywacke, shale, siltstone, and hornfels of the Red Rose Formation. Pyrite, sphalerite, galena, and chalcopyrite occur in porphyritic andesite float rocks.

WORK DONE: Geochemical survey, 156 soil samples analysed for copper, lead, zinc, and silver, on Gam 1-3.

REFERENCES: Mineral Inventory 93M-64, 114; *Minister of Mines, B.C.*, Ann. Rept., 1926, p. 128; Assessment Report 8332.

BLUE LAKE, LONE STAR, BLACK PRINCE (Fig. E-1, NTS 93, No. 127)

LOCATION: Lat. 55° 10′ Long. 127° 33′ (93M/4E)
OMINECA M.D. Twelve kilometres southeast of Hazelton, at the headwaters of Mudflat Creek.

CLAIMS: CRO 1 to 3 (20 units each).

OWNER: J. M. Kruszewski.

OPERATORS: GROUP 8 VENTURES and J. M. KRUSZEWSKI, 760, 320 Ninth Avenue SW, Calgary, Alberta T2P 1K6.

METALS: Molybdenum, tungsten.

DESCRIPTION: Scheelite, molybdenite, chalcopyrite, pyrite, and erythrite occur in a northwesterly sheared porphyritic Rocher Deboule granodiorite near its contact with shales and hornfels of the Hazelton Group.

WORK DONE: 1979 – section through main zone and 25 rock sample sites, on Cro 1.

REFERENCES: Mineral Inventory 93M-54, 56, 57; *Minister of Mines, B.C.*, Ann. Rept., 1916, p. K122; Assessment Report 7903.

VICTORIA (Fig. E-1, NTS 93, No. 124)

LOCATION: Lat. 55° 10′ Long. 127° 39′ (93M/4E)
OMINECA M.D. Approximately 9 kilometres south of Hazelton; the claims lie to the east of Skeena River between Chicago Creek and Comeau Creek.

CLAIMS: KING (20 units), PATRIOTIC AND LITTLE HELEN (Lot 3319), COPPER HILL (Lot 3320), AEROPLANE AND SKEENA (Lot 3321), VICTORIA (Lot 3303), BELLE (Lot 3304), MONOPLANE (Lot 3313), MASCOT (Lot 3314), HOMESTAKE (Lot 3309).

OWNERS: Arbor Resources Inc., Sandra Frenlel, and J. M. Hutter.

OPERATOR: ARBOR RESOURCES INC., 706, 675 West Hastings Street, Vancouver.

METALS: Gold, cobalt, molybdenum.

DESCRIPTION: A system of parallel veins in granodiorite occurs near the contact of the Rocher Deboule granodiorite stock and the Hazelton Group rocks. Mineralization consists of a complex assemblage of gold-bearing cobalt sulpharsenides with minor molybdenite in a gangue of actinolite or quartz.

WORK DONE: Sampling, 57 samples analysed for gold, cobalt, and molybdenum, covering all claims.

REFERENCES: Mineral Inventory 93M-72, *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 155; 1978, p. E 223; 1979, p. 230; Assessment Reports 7779, 8336.

CAP (Fig. E-1, NTS 93, No. 123)

LOCATION: Lat. 55° 11′ Long. 127° 42′ (93M/4E)
OMINECA M.D. Approximately 7.5 kilometres south-southwest of Hazelton, east of the Skeena River and north of Comeau Creek.

CLAIMS: MANDON (Lot 4273), HUCKLEBERRY (Lot 4272), MANDON 1 (20 units), MANDON 2 (16 units), MANDON 3 (15 units).

OWNERS: F. B. WHITING, 1035 Greenwood Place, West Vancouver V7S 1Y2 and COBRE EXPLORATION LTD., 1289 Emery Place, North Vancouver V7J 1R2.

METALS: Copper, silver, gold, tungsten, cobalt.

DESCRIPTION: The property is underlain by andesite flow rocks and tuffs of the Brian Boru Formation that includes several pyritic alteration zones.

WORK DONE: Prospecting; and airborne electromagnetic survey, 240 kilometres, on all claims.

REFERENCES: Mineral Inventory 93M-73; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 230; Assessment Reports 3463, 8323, 8705.

GOLDEN WONDER (Fig. E-1, NTS 93, No. 125)

LOCATION: Lat. 55° 11′ Long. 127° 43′ (93M/4E)
OMINECA M.D. Approximately 7.5 kilometres south-southwest of Hazelton, 2.5 kilometres south-southwest of Seely Lake Park.

CLAIMS: SHAMROCK 1 to 6 (1 unit each), GOLDEN WONDER (Lot 3322).

OWNER: ASARCO EXPLORATION CO. OF CANADA LTD., 504, 535 Thurlow Street, Vancouver.

METALS: Copper, silver, gold, tin, arsenic.

DESCRIPTION: The claims are underlain by greywacke of the Red Rose Formation, Hazelton Group, having detritus of predominantly volcanic origin. Formation is in two subdivisions on the property, argillite or shale overlain by fine partially hornfelsed siltstone and these overlain by greywacke with argillite and siltstone interbeds.

WORK DONE: Geological mapping, 1:1000; linecutting, 11.7 kilometres; ground magnetometer survey, 11.7 kilometres; and geochemical survey, 24 rock samples analysed for gold, silver, copper, lead, zinc, cobalt, tungsten, and tin, on all claims.

REFERENCES: Mineral Inventory 93M-74; *Minister of Mines, B.C.*, Ann. Rept., 1919, p. 24; Assessment Report 8521.

DALEY WEST (Fig. E-1, NTS 93, No. 128)

LOCATION: Lat. 55° 14′ Long. 127° 34′ (93M/4E)
OMINECA M.D. Approximately 7 kilometres east-southeast of Hazelton approximately 3 kilometres south-southeast of New Hazelton.

CLAIMS: JUDI 1 to 8 (8 units).

OWNER: A. L'ORSA, RR No. 2, Smithers.

METALS: Copper, gold, silver, arsenic.

DESCRIPTION: The claims are underlain by a quartz monzonite phase of the Rocher Deboule stock. Minor amount of chalcopyrite and molybdenite ore seen as fracture fillings.

WORK DONE: Geological mapping, 1:5000, on all claims.

REFERENCES: Mineral Inventory 93M-53; *Minister of Mines, B.C.*, Ann. Rept., 1916, p. 116; Assessment Report 8937.

BURN (Fig. E-1, NTS 93, No. 138)

LOCATION: Lat. 55° 23.5′ Long. 127° 45′ (93M/5)
OMINECA M.D. Eighteen kilometres north-northwest of Hazelton, between Date Creek and Kispiox River.

CLAIMS: BURN 3 (4 units), BURN 4 (10 units), BURN 5 (8 units), BURN 6 (20 units), BURN 9 (8 units), BURN 16 (16 units).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by north-striking argillites, sandstones, and shales which have been intruded by a small stock of granodiorite and several narrow dykes of feldspar porphyry. Sedimentary rocks have been altered to biotite hornfels around the contact. Pyrite, pyrrhotite, minor molybdenite, and traces of chalcopyrite occur in hornfels. In the intrusive, molybdenite occurs in a fine quartz stockwork and as disseminations.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 169 soil samples analysed for copper, molybdenum, and tungsten, on Burn 3 and 6; diamond drilling, 3 NQ holes, totalling 1 603 metres; and geochemical survey, 109 rock samples analysed for copper, molybdenum, zinc, iron, and tungsten, on Burn 16.

REFERENCES: Mineral Inventory 93M-147; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1976, pp. E 155, E 156; 1979, p. 231; Assessment Reports 4433, 5891, 5892, 7864, 8562, 8935.

DODKO (Fig. E-1, NTS 93, No. 130)

LOCATION: Lat. 55° 16′ Long. 127° 33′ (93M/5E)
OMINECA M.D. Eight kilometres east-northeast of Hazelton, on the north shore of Bulkley River, 2 kilometres northwest of Six Mile Lake.

CLAIM: DODKO (2 units).

OWNER: W. KORFF, RR No. 1, Kispiox Road, Hazelton V0J 1Y0.

METALS: (Molybdenum, copper, zinc).

DESCRIPTION: Pyritic bedrock exposed along Bulkley River consists of fractured and bleached sedimentary rocks and granodiorite intrusive rocks. Minor molybdenite, chalcopyrite, sphalerite, and other sulphides occur in quartz-calcite veinlets.

WORK DONE: 1979 – prospecting.

REFERENCE: Assessment Report 8198.

IRON MASK (Fig. E-1, NTS 93, No. 133)

LOCATION: Lat. 55° 16.5′ Long. 127° 33′ (93M/5E)

OMINECA M.D. Approximately 8 kilometres east-northeast of Hazelton; the two claims lie centred between Four Mile Creek and Six Mile Creek, 1 kilometre north of Bulkley River.

CLAIMS: TOPSEY (Lot 4453), IRON MASK (Lot 3577).

OWNER: WINSTON LODGE, 6918 – 150th Street, Surrey V3S 3J2.

DESCRIPTION: The property is underlain by interbedded sandstone and greywacke altered to quartzite and locally hornfels (Hazelton Group), intruded by granodiorite of Early Tertiary (?) age. Mineralization by quartz, siderite, jamesonite, galena, sphalerite, and pyrite occurs on or near the igneous contacts.

WORK DONE: Geological mapping, 1:12 500, on both claims.

REFERENCE: Assessment Report 8672.

ERIE, MOHAWK (Fig. E-1, NTS 93, No. 137)

LOCATION: Lat. 55° 17′ Long. 127° 33′ (93M/5E)

OMINECA M.D. Eight kilometres east-northeast of Hazelton, just north of the Buckley River between Four Mile Mountain and Six Mile Creek.

CLAIMS: LUCKY JIM (Lot 1538), FN FR. (Lot 1548), BANKER HILL (Lot 1542), MOHAWK (Lot 5048).

OWNER: CUMO RESOURCES LTD., 1002, 409 Granville Street, Vancouver V6C 1T2.

METALS: Silver, lead, zinc.

DESCRIPTION: A contact zone between Hazelton Group sedimentary and volcanic rocks and intrusive rocks is sheared and silicified. The quartz frequently contains blebs of galena, sphalerite, tetrahedrite, and pyrite.

WORK DONE: 1979 – linecutting, 8.9 kilometres; ground electromagnetic survey, 7.5 kilometres; and diamond drilling, 63.4 metres, on all claims; geochemical survey, 312 soil samples analysed for silver, lead, zinc, on Mohawk.

REFERENCES: Mineral Inventory 93M-51; *Minister of Mines, B.C.*, Ann. Rept., 1956, p. 26; Assessment Report 7955.

CANADIAN QUEEN (Fig. E-1, NTS 93, No. 134)

LOCATION: Lat. 55° 18′ Long. 127° 37′ (93M/5E)

OMINECA M.D. Approximately 6 kilometres south-southeast of the junction of the Kispiox and Skeena Rivers (approximately 2 kilometres west-southwest of Robinson Lake).

CLAIMS: CANADIAN QUEEN (Lot 2410), CANADIAN QUEEN FR. (Lot 2415).

OWNER: TRI-CON MINING LTD., 2580, 1066 West Hastings Street, Vancouver.

WORK DONE: Prospecting; and geochemical survey, 29 soil samples analysed for copper, mercury, silver, zinc, and arsenic, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 223 (American Boy); Assessment Reports 6789, 9121.

AMERICAN BOY (Fig. E-1, NTS 93, No. 136)

LOCATION: Lat. 55° 18.5′ Long. 127° 34′ (93M/5E)
OMINECA M.D. Approximately 9 kilometres northeast from Hazelton; Robinson Lake lies 1 kilometre northeast of the claims.
CLAIMS: CINDY LOU (4 units), JANELLE (2 units).
OWNER: TRI–CON MINING LTD., 2580, 1066 West Hastings Street, Vancouver.
METALS: Silver, lead, zinc, gold, copper, arsenic.
WORK DONE: Trenching, 150 metres; and ground electromagnetic survey, 2.6 kilometres, on both claims.
REFERENCES: Mineral Inventory 93M-47; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 223; Assessment Reports 6789, 8847.

GROUP D, JOE, HAZELTON (Fig. E-1, NTS 93, No. 135)

LOCATION: Lat. 55° 18.8′ Long. 127° 38′ (93M/5E)
OMINECA M.D. Approximately 5 kilometres southeast of the junction of the Skeena and Kispiox Rivers; claims lie 6.8 kilometres north-northeast of Hazelton.
CLAIMS: MOUNT GLEN (20 units), BONNIE (Lot 6454), MARWILL NO. 1 (Lot 6457), MARWILL NO. 2 (Lot 6456), G&R NO. 5 (Lot 6458), G&R NO. 6 (Lot 6459), G&R NO. 7 (Lot 6460), G&R NO. 8 (Lot 6461), DALE NO. 1 (Lot 6462), DALE NO. 2 (Lot 6463), DALE NO. 3 (Lot 6464), DALE NO. 4 (Lot 6465), SPECULATOR (Lot 2412).
OWNER: TRI–CON MINING LTD., 2580, 1066 West Hastings Street, Vancouver V6E 2E6.
METALS: Silver, lead, zinc.
WORK DONE: Prospecting; linecutting, 9.5 kilometres; and test pits, 3, on all claims; ground electromagnetic survey, 9.5 kilometres, on Bonnie, Marwill 1 and 2.
REFERENCES: Mineral Inventory 93M-119; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 223 (American Boy); Assessment Reports 58, 6789, 8906.

SURPRISE (Fig. E-1, NTS 93, No. 129)

LOCATION: Lat. 55° 19′ Long. 127° 37′ (93M/5E)
OMINECA M.D. Eight kilometres northerly of Hazelton, immediately north of Mount Glen.
CLAIMS: WONDERFUL (Lot 3710), SURPRISE (Lot 3711), SHAMROCK (Lot 3712), KEITH FR. (Lot 6455), KEITH 4 (Lot 6449), KEITH 5 (Lot 6450), KEITH 8 (Lot 6452), GANDR 1 (Lot 6453), KEITH 1 (Lot 6448), KEITH 3 (Lot 6447), KEITH 7 (Lot 6402).
OWNER: K. COSWAN, Box 3277, Smithers V0J 2N0.
METALS: Silver, gold, lead, zinc.
DESCRIPTION: Pyrite, sphalerite, and some galena occur in veins cutting sandstone and greywacke of the Bowser Formation.
WORK DONE: Linecutting, 2 500 metres; and control survey, on Surprise, Wonderful, Keith Fr., and Keith 4; trenching and 1 test pit, on Surprise.
REFERENCES: Mineral Inventory 93M-48; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 223, E 224; 1979, p. 231.

WILLO (Fig. E-1, NTS 93, No. 131)

LOCATION: Lat. 55° 21′ Long. 127° 38′ (93M/5E)
OMINECA M.D. Eleven kilometres north-northeast of Hazelton straddling the Shegunia River, 3 kilometres east of its junction with the Skeena River.
CLAIMS: WILLO 1 and 2 (2 units).
OWNER: W. KORFF, RR No. 1, Kispiox Road, Hazelton V0J 1Y0.
METALS: (Copper, lead, zinc).
DESCRIPTION: Buckled, fractured, and layered siltstone and sandstone with some carbonaceous shale and impure coal seams are cut by altered, pyritic, sill-like bodies of granite. Calcite veinlets in granitic porphyry contain pyrite, pyrrhotite, and minor chalcopyrite, sphalerite, and galena.
WORK DONE: 1979 – prospecting, on both claims.
REFERENCE: Assessment Report 8199.

AARON (Fig. E-1, NTS 93, No. 132)

LOCATION: Lat. 55° 30′ Long. 127° 35′ (93M/5E, 12E)
OMINECA M.D. Twenty-eight kilometres north of New Hazelton, between Utsun and Sediesh Creeks.
CLAIM: AARON (12 units).
OWNER: E. W. SARGENT, Box 39, New Hazelton V0J 2J0.
DESCRIPTION: A small granodiorite porphyry plug intrudes siltstone.
WORK DONE: 1979 – linecutting, 4.75 kilometres, topographical survey, 1:2500; and geochemical survey, 57 soil samples analysed for copper, molybdenum, and tungsten, on Aaron.
REFERENCES: Assessment Reports 2828, 8162.

CUP (Fig. E-1, NTS 93, No. 142)

LOCATION: Lat. 55° 21′ Long. 127° 29′ (93M/6W, 5E)
OMINECA M.D. Fifteen kilometres northeast of Hazelton on Nine Mile Mountain.
CLAIMS: CUP I (4 units), CUP II (12 units).
OWNER: WINSTON LODGE, 6918 – 150th Street, Surrey.
DESCRIPTION: Hazelton Group rocks are folded into anticlines and synclines intruded by the Early Tertiary (?) Nine Mile granodiorite stock. Ore deposits are true quartz-filled fissure veins containing jamesonite, galena, and sphalerite. Trend of the fold axes is north-northeast.
WORK DONE: Geological mapping, 1:12 500; and geochemical survey, 26 rock samples analysed for silver, zinc, and lead, on both claims.
REFERENCE: Assessment Report 8706.

TRUE FISSURE (Fig. E-1, NTS 93, No. 139)

LOCATION: Lat. 55° 22′ Long. 127° 02′ (93M/6E)
OMINECA M.D. Forty-five kilometres northeast of Hazelton, lying to the north of the Suskwa River, approximately 2.5 kilometres southwest of Mount Thoen.
CLAIMS: THOEN 1 to 4 (1 unit each).
OWNER: D. GROOT LOGGING LTD., Box 520, Smithers.
METALS: (Lead, zinc, copper, gold, silver).
DESCRIPTION: Hazelton quartzites, argillites, and tuffaceous sandstone are intruded by porphyritic granodiorite dykes. Pyrite, sphalerite, galena, tetrahedrite, and

chalcopyrite with quartz and carbonate gangue occur as replacement type in a shear zone.

WORK DONE: Linecutting, 2 kilometres; and self-potential survey, 2 kilometres, on all claims; sampling, 8 samples analysed for gold, silver, lead, and zinc on Thoen 3 and 4.

REFERENCES: Mineral Inventory 93M-32; *Minister of Mines, B.C.*, Ann. Rept., 1929, p. 159; Assessment Report 8338.

OK (Fig. E-1, NTS 93, No. 140)

LOCATION: Lat. 55° 23′ Long. 127° 02′ (93M/6E, 7W)
OMINECA M.D. Approximately 45 kilometres northeast from Hazelton on the slopes of Mount Thoen.

CLAIMS: OK I to IV (32 units).

OWNER: WINSTON LODGE, 6918 – 150th Street, Surrey.

METALS: Gold, silver, lead.

DESCRIPTION: The property is underlain by Upper Jurassic-Lower Cretaceous metasedimentary rocks of the Hazelton Group intruded by an Early Tertiary (?) granodiorite stock. Disseminated chalcopyrite and fissure fillings containing chalcopyrite and argentiferous galena and sphalerite are related to the intrusion of the stock.

WORK DONE: Geological mapping, 1:2500, and geochemical survey, 20 rock samples analysed for copper, molybdenum, lead, and zinc, on all claims.

REFERENCES: Mineral Inventory 93M-31; *Minister of Mines, B.C.*, Ann. Repts., 1922, pp. 97-100; 1929, pp. 159, 160; ; Assessment Report 8711.

KING (Fig. E-1, NTS 93, No. 141)

LOCATION: Lat. 55° 34′ Long. 127° 08.5′ (93M/6E)
OMINECA M.D. Approximately 8.2 kilometres north-northeast of the junction of Denison and Natlan Creeks.

CLAIMS: SASKWA 1 (6 units), SASKWA 2 (3 units).

OWNER: A. M. DeQUADROS, 2741 Chesterfield Avenue, North Vancouver V7N 3M5.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain predominantly by coarse-grained plutonic rocks ranging from granite to diorite. Numerous small dykes, quartz veins to quartz-orthoclose, some with biotite and acicular calcite, and a few aplites occur on the property. Alteration is generally minimal. Dyke fractures and others carry alteration envelopes and may be mineralized by pyrite, chalcopyrite, and molybdenite.

WORK DONE: Geological mapping, 1:4800, on Saskwa 1.

REFERENCES: Mineral Inventory 93M-28, 29; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 148; Assessment Reports 793, 5626, 9118.

RIO (UTE) (Fig. E-1, NTS 93, No. 143)

LOCATION: Lat. 55° 21′ Long. 126° 48′ (93M/7W)
OMINECA M.D. Sixty-five kilometres northeast of Smithers and 10 kilometres west of the north end of Babine Lake, on the southeast slope of French Peak.

CLAIMS: UTE 5 to 8 (4 units), SILVERADO (9 units), ELDORADO (9 units), MAG HI (6 units), SILVER IRON (6 units).

OWNERS: Mohawk Oil Co. Ltd. and Silverado Mines Ltd.

(93M/7W)

OPERATOR: MOHAWK OIL CO. LTD., 6400 Roberts Street, Burnaby.
METALS: Silver, lead, zinc, copper.
DESCRIPTION: Volcanic tuffs, andesite, and breccia are cut by faults and felsite dykes. Tetrahedrite, galena, chalcopyrite, and sphalerite occur in the Ute and Rio vein systems.
WORK DONE: Metallurgical testing and 2 samples collected, on Ute.
REFERENCES: Mineral Inventory 93M-15; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, pp. E 156, E 157; 1979, p. 232; Assessment Reports 6014, 7239, 8165.

RED (FOSS, SUE) (Fig. E-1, NTS 93, No. 144)

LOCATION: Lat. 55° 25′ Long. 126° 54′ (93M/7W)
OMINECA M.D. Fifty-two kilometres east-northeast of Hazelton and 6 kilometres northwest of French Peak, straddling Hepworth Creek.
CLAIMS: AG 1 to 6.
OWNER: J. McPHEA, 855 Thurlow Street, Vancouver.
METALS: Copper, zinc, lead, silver.
DESCRIPTION: The area is underlain by sedimentary rocks of Upper Jurassic or Lower Cretaceous periods. A fault zone carries pyrite with minor chalcopyrite, sphalerite, galena, and unidentified silver minerals. A Lower Cretaceous quartz-biotite-feldspar porphyry plug lies adjacent to the claim.
WORK DONE: Geochemical survey, 20 rock samples analysed for copper, lead, zinc, silver, and gold, on AG 5 and 6.
REFERENCES: Mineral Inventory 93M-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 359.

7A (Fig. E-1, NTS 93, No. 146)

LOCATION: Lat. 55° 34′ Long. 127° 18′ (93M/11W)
OMINECA M.D. Forty-one kilometres northeast of Hazelton, on Thomlinson Creek, 12 kilometres east of Mount Tomlinson.
CLAIMS: THOMLINSON 1 to 7, 7A 11, 12, 17, 18, 20, 32, 34 to 38, 40, 41, 43 to 50, 90 Fraction; 7D 7 to 10 (totalling 134 units).
OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.
METALS: Copper, molybdenum.
DESCRIPTION: The area is underlain by Bowser sedimentary rocks intruded by Upper Cretaceous Bulkley granodiorite and Eocene Nanika quartz monzonite. A 65-degree-trending lineament controlled intrusion of a long narrow body of quartz monzonite to granodiorite believed to be Bulkley. Sulphides have been found near its contact with hornfelsed Bowser rocks.
WORK DONE: Diamond drilling, 5 BQ holes, totalling 612.7 metres.
REFERENCES: Mineral Inventory 93M-122; Assessment Reports 3918, 8541.

MOLLY, MOLY (Fig. E-1, NTS 93, No. 145)

LOCATION: Lat. 55° 35′ Long. 127° 29′ (93M/11W)
OMINECA M.D. Thirty-nine kilometres north-northeast of Hazelton, 5 kilometres north of Mount Tomlinson.
CLAIMS: MOLY TOM 1 to 8 (1 unit each), THOM 1 and 2 (6 units each).
OWNER: Texasgulf Canada Ltd.
OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
METALS: Molybdenum, copper.

DESCRIPTION: The claims are underlain by volcanic and sedimentary rocks of the Bowser Lake Group (Jurassic-Cretaceous) complex. Molybdenite, chalcopyrite, and pyrite are associated with aplitic dykes, quartz veins, and fractures.

WORK DONE: Diamond drilling, 1 NQ hole, totalling 213 metres, on Thom 2.

REFERENCES: Mineral Inventory 93M-80; *Minister of Mines, B.C.*, Ann. Rept., 1964, pp. 48-50; 1965, p. 73; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 150; 1979, p. 232; Assessment Reports 7916, 9002.

GOATHEAD (Fig. E-1, NTS 93, No. 148)

LOCATION: Lat. 55° 46′ Long. 127° 26′ (93M/14W)
OMINECA M.D. Approximately 25 kilometres northwest of the junction of Babine and Shelagyote Rivers at the southern tip of the Atna Range.

CLAIMS: MOLLY BLUE (8 units), SILVER FOX (4 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Molybdenum, copper, tungsten.

DESCRIPTION: The area is underlain by argillites, siltstones, and minor carbonates of the Jura-Cretaceous Bowser Lake Group. These are intruded by Upper Cretaceous Bulkley granodiorite stocks. Molybdenite and lesser scheelite mineralization is associated with the granodiorite stocks.

WORK DONE: Geological mapping, 1:2500, on both claims.

REFERENCES: Mineral Inventory 93M-82; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 81; *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1977, Paper 1978-1, p. 68; Exploration in B.C., 1978, p. E 226; Assessment Reports 6723, 9382.

SHEL (Fig. E-1, NTS 93, No. 147)

LOCATION: Lat. 55° 57′ Long. 127° 01′ (93M/14E)
OMINECA M.D. At the headwaters of the Nilkitkwa River, 5 kilometres east of the Sicintine Range, 80 kilometres north-northeast of Hazelton.

CLAIMS: SHEL 1 to 29, 31, 32, 34, 36 to 48, SHEL B Fraction, SHEL D Fraction.

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 1T2.

METALS: Molybdenum, copper.

DESCRIPTION: Porphyritic quartz-monzonite stock (Late Cretaceous-Early Tertiary) intrudes Jurassic-Cretaceous sedimentary and volcanic rocks of the Bowser Basin. Molybdenite is associated with abundant quartz veins and hypabyssal quartz-feldspar porphyry intrusions.

WORK DONE: Diamond drilling, 4 BQ holes, totalling 881.9 metres, on Shel 7, 37, and 43; geological mapping, 1:1200; and geochemical surveys, 154 rock samples analysed for molybdenum and tungsten, on Shel 2, 4, 7, 36-38; and 43.

REFERENCES: Mineral Inventory 93M-92; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, pp. 101, 102; 1974; pp. 273, 274; Exploration in B.C., 1978, pp. E 226, E 227; 1979, p. 234; Assessment Reports 2084, 6849, 5348, 8075, 8452.

FIRE (Fig. E-1, NTS 93, No. 149)

LOCATION: Lat. 55° 59′ Long. 126° 20′ (93M/16W)
OMINECA M.D. Approximately 20.5 kilometres north-northwest of the junction of Driftwood River and Lion Creek.

CLAIM: FLAME (20 units).

(93N/2E)

OWNER: J. C. Stephen.

OPERATOR: DOME EXPLORATION (CANADA) LTD., Box 270, 1 First Canada Place, Toronto, Ontario M5X 1H1.

METAL: Copper.

DESCRIPTION: The claim is underlain by the Savage Mountain Formation of the Upper Triassic Takla volcanic rocks; major rock types observed are augite basalt, augite-feldspar basalt, and feldspar basalt. Aphanitic felsite, potash porphyry to quartz porphyry dykes are in a north to northwest-striking swarm. Chalcopyrite and minor bornite occur in a dyke of hornblendite.

WORK DONE: Geological mapping, 1:500; and geochemical survey, 52 soil and 111 rock samples analysed for gold, arsenic, and silver.

REFERENCES: Mineral Inventory 93M-111; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 361; Assessment 8869.

MANSON RIVER 93N

PU (Fig. E-1, NTS 93, No. 150)

LOCATION: Lat. 55° 09′ Long. 124° 34′ (93N/2E)
OMINECA M.D. Eighty kilometres north of Fort St. James, between Chuchi and Witch Lakes.

CLAIMS: BAG 1 to 4 (20 units each).

OWNER: SAHQUA MINERALS LTD., 201, 744 West Hastings Street, Vancouver V6C 1A5.

METAL: Copper.

DESCRIPTION: The property is underlain by pyritic Takla volcanic and sedimentary rocks and Omineca intrusive rocks of monzonite composition.

WORK DONE: 1979 – linecutting, 80 kilometres, and induced polarization survey, 80 kilometres, on Bag 1 and 3.

REFERENCES: Mineral Inventory 93N-84, 164, *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 276; Assessment Report 7887.

NALCUS (Fig. E-1, NTS 93, No. 151)

LOCATION: Lat. 55° 14′ Long. 125° 50′ (93N/4W, 5W)
OMINECA M.D. Approximately 16.4 kilometres north of the mouth of Sakeniche River and Natowite Lake, approximately 27 kilometres south-southeast from Takla Landing.

CLAIMS: NALCUS 1 to 3 (20 units each), NALCUS 4 and 5 (15 units each), NALCUS 6 (10 units), NALCUS 7 (12 units), NALCUS 8 (20 units).

OWNERS: A. Dawson and W. Johnson.

OPERATOR: NALCUS RESOURCES LTD., 2576 Lawson Avenue, West Vancouver V7V 2E9.

DESCRIPTION: The underlying rock is part of the Nalcus intrusion.

WORK DONE: 1979 – linecutting, 8 kilometres; and geochemical survey, 57 soil samples analysed for molybdenum, on Nalcus 1; 1980 – geological mapping, 1:4800; linecutting, 16 kilometres; and geochemical survey, 228 soil and 32 rock samples analysed for copper and molybdenum, on Nalcus 1.

REFERENCES: Assessment Reports 8113, 9352.

DON, JOHN (Fig. E-1, NTS 93, No. 152)

LOCATION: Lat. 55° 17′ Long. 125° 35′ (93N/5E)
OMINECA M.D. Thirty-two kilometres southeast of Takla Landing, 4 kilometres north of Nesabut Peaks (in Mitchell Range).
CLAIMS: JOHN 1 (18 units), DON (12 units), DAIRY (12 units).
OWNERS: P. Buckley and Placer Development Ltd.
OPERATOR: PLACER DEVELOPMENT LTD., Endako Mines Division, Endako V0J 1L0.
METAL: Molybdenum.
DESCRIPTION: Mitchell quartz-monzonite, the core phase of the Jurassic-Cretaceous Mitchell batholith is intruded by the Nesabut stock which underlies most of the property. The Nesabut stock is medium-grained, grey, equigrannular biotite quartz monzonite.
WORK DONE: Diamond drilling, 1 IAX hole, 28.3 metres, on Dairy and 1 IAX hole, 15.7 metres, on Don.
REFERENCES: Mineral Inventory 93N-181; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1978, p. E 227; 1979, p. 235; Assessment Reports 6814, 7468, 8357, 8358.

HALO (Fig. E-1, NTS 93, No. 153)

LOCATION: Lat. 55° 26′ Long. 125° 09′ (93N/6E)
OMINECA M.D. Ten kilometres east of Indata Lake (240 kilometres northwest of Prince George) at the headwaters of Halobia Creek.
CLAIM: HALO (20 units).
OWNER: J. C. Stephen.
OPERATOR: DOME EXPLORATION (CANADA) LTD., Box 270, 1 First Canadian Place, Toronto, Ontario M5X 1H1.
DESCRIPTION: The claim is centrally located in the Lower Jurassic-Lower Cretaceous Hogem batholith. It is underlain chiefly by foliated monzonite and quartz monzonite of the Hogem Phase I; to the east and northeast the rocks are leucocratic granite and alaskite of Phase III. Minor exposures of biotite tuff are possibly post-Hogem.
WORK DONE: Geological mapping, 1:10 000; ground magnetometer survey, 52.5 kilometres; and geochemical survey, 34 soil and 25 silt samples analysed for copper, molybdenum, tungsten and 5 rock samples analysed for copper and molybdenum, 11 for molybdenum, 2 for gold, and 16 for tungsten, on Halo 1.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1972, pp. 447, 448; Assessment Reports 3611, 8988.

BURN (Fig. E-1, NTS 93, No. 158)

LOCATION: Lat. 55° 31′ Long. 125° 13′ (93N/6E, 11)
OMINECA M.D. Ten kilometres northeast of the east end of Tsayta Lake and 6 kilometres east of Kwanika Creek.
CLAIMS: BURN 1 to 16, 19 to 26, 31, 37, 39 to 54, 56 to 71, SNAG (16 units), SIBERIA (16 units).
OWNERS: LUC Syndicate and Placer Development Ltd.
OPERATOR: PLACER DEVELOPMENT LTD., 800, 1030 West Georgia Street, Vancouver V6E 3A3.
METALS: Molybdenum, (copper).

DESCRIPTION: Drilling intersected rocks of quartz monzonite composition including sparse molybdenite.

WORK DONE: Geological mapping, 1:1000, on Burn 3-6, 10-16, 22-26; geochemical survey, 49 samples analysed for molybdenum, copper, zinc, lead, silver, and fluorine, on Snag, Siberia, Burn 4-6, 16, and 31; geochemical survey, 24 soil profiles on Burn 4.

REFERENCES: Mineral Inventory 93N-107; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 157; 1979, p. 235; Assessment Reports 7898, 7926.

JORDI (Fig. E-1, NTS 93, No. 155)

LOCATION: Lat. 55° 32′ Long. 124° 25′ (93N/9W)
OMINECA M.D. One hundred and twenty kilometres north of Fort St. James, covering Mount Gillis northerly.

CLAIMS: JORDI, KOKANEE, DISCO, SUX (20 units each).

OWNER: Noranda Mines Ltd.

OPERATORS: NORANDA MINES LTD. and MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

DESCRIPTION: The property is underlain by pyritic quartzite and leucocratic granitoid and pegmatite intrusive rocks.

WORK DONE: 1979 and 1980 – geological mapping, 1:60 606; ground magnetometer survey, 26 kilometres; and geochemical surveys, 778 soil, 81 silt, and 23 rock samples analysed for tungsten, molybdenum, silver, copper, lead, zinc, and tin, on all claims.

REFERENCES: Assessment Reports 6941, 8117.

KATHY (GLO) (Fig. E-1, NTS 93, No. 154)

LOCATION: Lat. 55° 39.5′ Long. 124° 28′ (93N/9W)
OMINECA M.D. Approximately 21 kilometres southeast of Germansen Landing, with Lost Creek cutting through the centre of the claims.

CLAIM: KATHY (20 units).

OWNER: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112th Street, Edmonton, Alberta.

METALS: Tungsten, lead.

DESCRIPTION: Pennsylvanian-Permian Cache Creek metasedimentary and volcanic rocks lie between the Upper Cretaceous Germansen batholith on the southwest and the Wolverine complex (Proterozoic ?) on the northeast. The Manson Creek fault zone is believed to cross the property. An anomaly for tungsten, the 'Glo' occurrence, is on an outcrop of brittle schists with quartz, galena, and scheelite.

WORK DONE: Geochemical survey, 821 soil samples analysed for tungsten, molybdenum, copper, lead, zinc, silver, antimony, arsenic, and tin; and biogeochemical survey, 220 mosses analysed for gold.

REFERENCES: Mineral Inventory 93N-30, 78; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 202; 1979, p. 236; Assessment Reports 7519, 8814.

FAIRVIEW, BLACK HAWK (Fig. E-1, NTS 93, No. 156)

LOCATION: Lat. 55° 41′ Long. 124° 31′ (93N/9W, 10E)
OMINECA M.D. Claims overlie townsite of Manson Creek and cover a large area stretching from Ahluk Creek (northwest corner) to Skelton Creek.
CLAIMS: OPEC 1 to 10 (198 units).
OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta T2R 1B2.
METALS: Silver, lead, zinc, gold, copper, chromium.
DESCRIPTION: The property is underlain by the Nina Creek Group, an assemblage of ultramafic rocks, mafic to intermediate volcanic rocks metamorphosed to greenstones, and metamorphosed fine-grained clastic and chemical sedimentary rocks. Faults are marked by zones of intense carbonate alteration.
WORK DONE: Geological mapping, 1:5000; ground magnetometer survey and ground electromagnetic survey, 28 kilometres; and geochemical survey, 1 022 soil and 35 rock samples analysed for 26 elements, and 2 rock samples assayed for copper, lead, zinc, silver, gold, and antimony, on Opec 2 and 3.
REFERENCES: Mineral Inventory 93N-22, 23; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 368; Assessment Reports 4245, 4246, 8956.

PEM (Fig. E-1, NTS 93, No. 157)

LOCATION: Lat. 55° 43′ Long. 124° 40′ (93N/10E, 15E)
OMINECA M.D. Claims overlie the townsite of Manson Creek and cover a large area stretching from Ahluk Creek (northwest corner) to Skelton Creek.
CLAIMS: FLUME 1 to 5 (84 units).
OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta T2R 1B2.
METALS: Gold, silver.
DESCRIPTION: The property is underlain by an assemblage of ultramafic rocks, mafic to intermediate volcanic rocks metamorphosed to greenstones, and metamorphosed fine-grained clastic and chemical sedimentary rocks comprising the Nina Creek Group. Major faults are marked by zones of intense carbonate alteration.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 1 616 soil and 91 rock samples analysed for molybdenum, copper, lead, zinc, silver, nickel, cobalt, manganese, iron, arsenic, uranium, thorium, cadmium, antimony, bismuth, vanadium, calcium, indium, magnesium, barium, titanium, boron, aluminum, and tungsten and 3 rock samples assayed for copper, lead, zinc, silver, gold, and antimony, on Flame 1, 2, 3, and 5.
REFERENCES: Mineral Inventory 93N-25; *Minister of Mines, B.C.*, Ann. Repts., 1931, p. 76; 1938, p. C13; Assessment Reports 4245, 4246, 8957.

LUSTDUST (Fig. E-1, NTS 93, No. 159)

LOCATION: Lat. 55° 34′ Long. 125° 25′ (93N/11W)
OMINECA M.D. Immediately west of Silver Creek, between Dream and West Kwanika Creeks.
CLAIMS: L (12 units), K (6 units), M (20 units), JNR (16 units), F (18 units), AIR (4 units), WOW NO. 1 (1 unit), HIDDEN (1 unit), ADIT (1 unit), RIDGE (1 unit), P (10 units), EAR (8 units), MV 1 (1 unit), MV 2 (1 unit).
OWNER: Zapata Granby (Canada) Corp.
OPERATOR: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.

(93N/12W)

METALS: Gold, silver, lead, zinc, arsenic, antimony.
DESCRIPTION: The area lies between two major fault zones, Pinchi fault to the east and Takla fault to the west. The underlying rocks are Cache Creek chert, phyllite, argillite, greywacke, carbonate, and metavolcanic rocks.
WORK DONE: Diamond drilling, 2 BQ holes, totalling 299.3 metres, on L and M.
REFERENCES: Mineral Inventory 93N-9; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 228; 1979, p. 237; Assessment Reports 7059, 7509, 7759, 8669.

BODINE (Fig. E-1, NTS 93, No. 160)

LOCATION: Lat. 55° 37′ Long. 125° 49′ (93N/12W)
OMINECA M.D. Approximately 17 kilometres northeast of Takla Landing, on the north slope of Mount Bodine.
CLAIMS: RUTH 1 and 2 (9 units each), RUTH 3 and 4 (18 units each).
OWNER: CANADIAN SUPERIOR EXPLORATION LTD., Box 10104, Pacific Centre, 701 West Georgia Street, Vancouver.
METALS: Zinc, copper, silver.
DESCRIPTION: The claims are underlain by Upper Triassic-Jurassic Sitlika assemblage: a weakly graphitic argillite unit overlain by predominantly felsic flows and volcaniclastics becoming more rhyolitic upwards, again overlain by basaltic flows and volcaniclastics interbedded with argillites.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 66 rock samples analysed for copper, zinc, lead, gold, silver and 23 samples assayed, on Ruth 3 and 4.
REFERENCES: Mineral Inventory 93N-179; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 203; Assessment Report 8485.

PINE PASS 93O

PEG (Fig. E-1, NTS 93, No. 163)

LOCATION: Lat. 55° 05′ Long. 123° 27′ (93O/3W)
OMINECA M.D. Approximately 52 kilometres south-southwest from the junction of Parsnip and Nation Rivers, with Robinson Creek flowing just south of the property.
CLAIM: PEG 1 (12 units).
OWNER: DENISON MINES LTD., Box 11575, 650 West Georgia Street, Vancouver, V6B 4N7.
DESCRIPTION: The claim is underlain by metamorphosed and silicified, thin-bedded, folded shales/slates, greenstones, and recrystallized limestones grading into schists and skarns. All are cut by granitic dykes.
WORK DONE: Geochemical survey, 80 soil samples analysed for molybdenum, copper, lead, zinc, tungsten, arsenic, and mercury, on Peg 1.
REFERENCE: Assessment Report 8699.

KOOTS (Fig. E-1, NTS 93, No. 162)

LOCATION: Lat. 55° 06′ Long. 123° 23′ (93O/3W)
OMINECA M.D. Approximately 46 kilometres from the junction of Parsnip and Nation Rivers, about 15 kilometres east-northeast from the Robinson and Philip Creeks junction.

CLAIM: KOOTS 1 (12 units).

OWNER: DENISON MINES LTD., Box 11575, 650 West Georgia Street, Vancouver V6B 4N7.

DESCRIPTION: The property is underlain by a Cretaceous and/or Tertiary granite and quartz-monzonite stock intrusive into metamorphosed marine sedimentary rocks of the Mississippian-Permian Slide Mountain Group or Cache Creek Group. A metamorphic gradient decreases rapidly from the contacts of the stock. Stock appears related to northeast fault system. Magnetite, pyrrhotite, and molybdenite are disseminated throughout the stock.

WORK DONE: Geological mapping, 1:10 000; ground magnetometer survey, 4.5 kilometres; and geochemical survey, 46 soil samples analysed for molybdenum, copper, tungsten, tin, arsenic, and mercury, on Koots 1.

REFERENCE: Assessment Report 8775.

WEST – CENTRAL BRITISH COLUMBIA
(NTS Division 103)

MORESBY ISLAND 103B and part of C

ROSE (Fig. E-1, NTS 103, No. 1)

LOCATION: Lat. 52° 06′ Long. 131° 05′ (103B/3E)
SKEENA M.D. Approximately 5.5 kilometres south of Houston Stewart Channel on Kunghit Island in the Queen Charlotte Islands; Gordon Islands lie 3 kilometres west of the claims.

CLAIMS: ROSE (12 units), ROSE 1 to 3 (20 units each), ROSE 5 (15 units), ROSE 6 (1 unit).

OWNERS: J. S. Christie and G. G. Richards.

OPERATOR: SUPERIOR OIL LTD., 460, 6245 East Broadway, Tucson, Arizona 85571.

DESCRIPTION: The claims are underlain by Triassic Karmutsen lavas and breccias, Upper Triassic to Lower Jurassic Kunga limestone, limy argillite, and argillite, intruded by hornblende diorite and acid to intermediate dykes, some with a porphyritic texture. A major fault zone crosses the southeast corner of grid A.

WORK DONE: Geological mapping, 1:2000; 1:5000; and geochemical survey, 1 561 soil, 221 silt, and 59 rock samples analysed for gold and arsenic, on all claims.

REFERENCES: Assessment Reports 8072, 8383, 8561.

FANNY (Fig. E-1, NTS 103, No. 89)

LOCATION: Lat. 52° 08′ Long. 131° 12′ (103B/3E)
SKEENA M.D. Queen Charlotte Islands, 132 kilometres east-southeast of Sandspit, at the southern extremity of Moresby Island (Cape Fanny).

CLAIMS: FANNY 1 to 4 (total 44 units).

OWNER: J. S. Christie.

OPERATOR: CHEVRON STANDARD LTD., 901, 355 Burrard Street, Vancouver.

DESCRIPTION: Folded and altered lavas, breccias (greenstone), and limestone of the Karmutsen Formation (Triassic) are cut by faults and felsic dykes. Ankeritic (?) carbonate and quartz form lenses parallel to schistosity.

WORK DONE: 1979 – geological mapping, 1:10 000; and geochemical survey, 101 soil, silt, and rock samples analysed for gold, arsenic, and mercury, on Fanny; 1980 – geochemical survey, 38 soil samples analysed for gold and arsenic, on Fanny 1.

REFERENCE: Assessment Report 8072.

RASPBERRY COVE (Fig. E-1, NTS 103, No. 91)

LOCATION: Lat. 52° 10.5′ Long. 131° 04′ (103B/3E)
SKEENA M.D. On Moresby Island bordering Raspberry Cove, on Houston Stewart Channel.

CLAIM: RASPBERRY 1 (20 units).

OWNER: TEXASGULF CANADA LTD., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, zinc.

DESCRIPTION: The area is underlain by Triassic basic volcanic rocks of the Karmutsen Formation, argillites and limestones of the Triassic-Jurassic Kunga Formation, and dyke-like intrusions related to the post-Tectonic Point Langford quartz-monzonite stock. Cursory examination of exposures along the creeks show that northwest-trending feldspar porphyry dykes cut bleached and silicified argillites; the porphyry is locally altered and pyritic.

WORK DONE: Geochemical survey, 35 silt samples analysed for silver, arsenic, mercury, and gold and 19 rock samples analysed for silver, arsenic, and gold.

REFERENCES: Mineral Inventory 103B–C-55; Assessment Report 1245, 9014.

SWAN (Fig. E-1, NTS 103, No. 5)

LOCATION: Lat. 52° 21′ Long. 131° 17′ (103B/6W)
SKEENA M.D. At the southeast end of Burnaby Island, Queen Charlotte Islands; the claims encompass part of Poole Inlet and Swan Bay.

CLAIMS: SWAN 1 and 2 (4 units each), SWAN 3 and 4 (10 units each).

OWNER: J. C. STEPHEN, 1458 Rupert Street, North Vancouver V7J 1G1.

DESCRIPTION: The claims are underlain by fault slices of Triassic Karmutsen Formation chloritized basalt, Kunga Formation massive grey limestone, and black, thin-bedded limestone and Cretaceous Longarm Formation lithic siltstone and greywacke. The sequence has been intruded on the east by a portion of the post-Tectonic Burnaby batholith.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 114 soil and 12 rock samples analysed for gold and arsenic, on all claims.

REFERENCE: Assessment Report 8901.

ALDER ISLAND (Fig. E-1, NTS 103, No. 4)

LOCATION: Lat. 52° 27′ Long. 131° 19′ (103B/6W)
SKEENA M.D. Approximately 98 kilometres south of Sandspit, Queen Charlotte Islands, on the northwest end of Burnaby Island, Huxley Island, and Alder Island.

CLAIMS: ABALONE 1 to 4, ALDER GOLD 1 and 2 (18 units each), ALDER GOLD 3 (20 units), ALDER ONE (20 units), RAMBLER PHOENIX (20 units).

OWNER: J. C. Stephen.

OPERATOR: B.C. GOLD SYNDICATE, 1458 Rupert Street, North Vancouver V7J 1G1.

METAL: Gold, (nickel, antimony).

DESCRIPTION: The claims are underlain by Karmutsen Formation volcanic rocks and fault slices of incompetent Kunga Formation limestone and argillite. A post-Tectonic pluton, the Burnaby batholith, intrudes the Kunga Formation to the east. Visible gold occurs in a quartz breccia zone in the Kunga limestone.

WORK DONE: Geological mapping, 1:5000; airborne magnetometer survey, approximately 200 kilometres; and geochemical survey, 206 soil and 139 rock samples analysed for gold and arsenic, on all claims; trenching, 5 cubic metres, on Abalone 1; ground magnetometer survey, 1.2 line kilometres; and 87 silt samples taken, on Alder Gold 1.

REFERENCES: Mineral Inventory 103B–C-16-19; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 54, pp. 193, 216, 220; Exploration in B.C., 1979, p. 240, Assessment Reports 8094, 8251.

HUSTON (Fig. E-1, NTS 103, No. 2)

LOCATION: Lat. 52° 16′ Long. 131° 12′ (103B/6E, 3E)
SKEENA M.D. Approximately 112 kilometres south-southeast of Sandspit, on the south end of Moresby Island, just west of Collison Bay.
CLAIMS: HUSTON 1 (9 units), HUSTON 2 (20 units), HUSTON 3 (15 units).
OWNER: G. Richards.
OPERATOR: CHEVRON STANDARD LTD., 901, 355 Burrard Street, Vancouver.
DESCRIPTION: Karmutsen (Triassic) massive and flow basalts and grey Kunga limestone are intruded by a granodiorite stock and subsequently by rhyolite dykes. The intrusions caused pyritic skarn zones in the basalts.
WORK DONE: Geological mapping, 1:5000; linecutting, 16 kilometres; and geochemical survey, 410 soil samples analysed for arsenic, gold, and copper, on all claims.
REFERENCE: Assessment Report 8224.

ARCHIE (Fig. E-1, NTS 103, No. 3)

LOCATION: Lat. 52° 18′ Long. 131° 11′ (103B/6E)
SKEENA M.D. Between Harriet Harbour and Ikeda Cove on the land on the point (Jedway is on the most westerly part of the property).
CLAIMS: ARCHIE 1 and 2 (20 units each), ARCHIE 3 (10 units), ARCHIE 4 (6 units).
OWNER: G. G. Richards.
OPERATOR: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver.
DESCRIPTION: Karmutsen greenstones overlain by Kunga massive grey limestone, black limestone, calcareous argillites, and argillites are exposed north of Ikeda Cove. A felsic, weakly porphyritic sill and later andesitic to microdioritic sills also are exposed.
WORK DONE: 1979 – geological mapping, 1:5000; and geochemical survey, 567 soil, rock, and silt samples analysed for gold, arsenic, silver, and copper, on all claims; 1980 – geochemical survey, 1 130 soil, 39 silt, and 202 rock samples analysed for gold and arsenic, on all claims.
REFERENCES: Assessment Reports 8197, 8714.

HAL (Fig. E-1, NTS 103, No. 6)

LOCATION: Lat. 52° 34′ Long. 131° 24′ (103B/11W)
SKEENA M.D. Between the Hecate Strait and the Juan Perez Sound, on Ramsay Island, about 9 kilometres northeast of Moresby Island's east coast.
CLAIM: HAL (20 units).
OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby.
DESCRIPTION: Basaltic to rhyolitic bedded tuffs and agglomerates of the Masset Formation are cut by younger basaltic dykes. A northeast-trending shear zone includes clay alteration, pyritization, and silicification.
WORK DONE: Geochemical survey, 460 soil and 26 silt samples analysed for mercury, gold, and arsenic, on all claims.
REFERENCE: Assessment Report 8438.

TAR (Fig. E-1, NTS 103, No. 86)

LOCATION: Lat. 52° 39′ Long. 131° 28′ (103B/11W)
SKEENA M.D. On the east coast of Lyell Island, facing Gogit Passage, Queen Charlotte Islands.

CLAIMS: TAR 1 to 4, T-ONE and T-TWO (18 units each).

OWNERS: B. Atkinson and J. C. Stephen.

OPERATOR: J. C. STEPHEN, 1124 West 15th Street, North Vancouver V7P 1M9.

DESCRIPTION: The claims are underlain by feldspar porphyry agglomerate, tuffaceous andesite, and dacitic lapilli tuff of the Masset Formation all cut by lamprophyre and dacite dykes. Several small sulphide-rich silicified zones occur.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 100 soil and 24 rock samples analysed for gold and arsenic, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 240, 241, Assessment Report 8353.

FOUR CORNERS (Fig. E-1, NTS 103, No. 132)

LOCATION: Lat. 52° 45′ Long. 131° 45′ (103B/12, 13)
SKEENA M.D. Fifty-four kilometres south of Sandspit, covering most of Richardson Island.

CLAIMS: FOUR CORNERS 1 to 4 (49 units).

OWNER: G. G. Richards.

OPERATOR: VENTURES WEST MINERALS LTD., 619, 475 Howe Street, Vancouver V6C 2B3.

DESCRIPTION: The area is underlain by Triassic Karmutsen flow rocks and pillow lavas, Upper Triassic to Lower Jurassic Kunga limestones and argillites, and Jurassic Yakoun volcanic breccias and argillaceous volcanic rocks. Most exposures show fault contacts. All are intruded by dykes of dacitic to rhyolitic composition, probably related to the Tertiary Masset Formation. There are two pyritic areas.

WORK DONE: Geological mapping, 1:5000; and geochemical surveys, 312 soil, 55 silt, and 20 rock samples analysed for gold and arsenic, on all claims.

REFERENCE: Assessment Report 9652.

ELLEN (Fig. E-1, NTS 103, No. 9)

LOCATION: Lat. 52° 39.30′ Long. 131° 42′ (103B/12E)
SKEENA M.D. In the Queen Charlotte Islands, 30 kilometres south-southeast of Sandspit, on Shuttle Island in Darwin Sound, between Lyell and Moresby Islands.

CLAIMS: ELLEN 1 to 4, ELLEN 1 Fraction.

OWNER: C. O'Brien.

OPERATOR: MOUNTAIN MINES LTD., 505, 409 Granville Street, Vancouver.

METAL: Gold.

DESCRIPTION: Karmutsen greenstones including a tuff-like sequence with intercalated limestone are favourable hosts to gold mineralization.

WORK DONE: 1979 – airborne magnetometer survey, 58 kilometres, on Ellen.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1963, p. 128, Mineral Inventory 103B–C-12; Assessment Report 8071.

LYELL (Fig. E-1, NTS 103, No. 7)

LOCATION: Lat. 52° 40′ Long. 131° 38′ (103B/12E)
SKEENA M.D. On the west end of Lyell Island, between Shuttle Passage and Beljay Bay.

(103B/12E)

CLAIMS: LYELL 3 to 6 (53 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The claims are underlain by massive limestone and black argillite of the Kunga Formation (Triassic), basaltic rocks and minor limestone of the Karmutsen Formation (Triassic), and feldspar porphyries, rhyolites, and basalts of the Masset Formation (Tertiary). The rocks are cut by a fault system.

WORK DONE: Geochemical survey, 739 soil and 89 silt samples analysed for gold, mercury, and arsenic, on all claims.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 241; Assessment Report 8412.

APRIL (Fig. E-1, NTS 103, No. 8)

LOCATION: Lat. 52° 42′ Long. 131° 41′ (103B/12E)
SKEENA M.D. Approximately 60 kilometres south of Sandspit, on the northwest corner of Lyell Island, extending from Skudas Point on the northern end to Topping Islands on the south.

CLAIMS: APRIL 1 to 9 (total 88 units).

OWNER: J. S. Christie.

OPERATOR: PLACER DEVELOPMENT LTD., 800, 1030 West Georgia Street, Vancouver.

DESCRIPTION: The claims are underlain by the succession Triassic Karmutsen greenstones, basal Jurassic Kunga limestone, and pyroclastic and sedimentary rocks of the Jurassic Yakoun Formation. A medium-grained hornblende quartz diorite forms an elongate stock. The major structure is a strand of the Rennell-Louscoone fault.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 581 soil, 74 silt, and 116 rock samples analysed for gold and arsenic, on April 1-7; geological mapping, 1:1000; and diamond drilling, 5 BQ holes, totalling 610 metres, on April 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 241; Assessment Reports 7820, 8501, 8663.

ANNA (Fig. E-1, NTS 103, No. 92)

LOCATION: Lat. 52° 40.5′ Long. 131° 53′ (103B/12W)
SKEENA M.D. Approximately 3 kilometres north of the eastern tip of Sunday Inlet, with Anna Lake lying on the northeast corner of the group, 57 kilometres south of Sandspit.

CLAIMS: ANNA 1 (16 units), ANNA 2 (10 units).

OWNER: TEXASGULF CANADA LTD., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

DESCRIPTION: The area is underlain by Triassic Karmutsen basic volcanic rocks cut by a large syntectonic dioritic batholith. Reconnaissance work indicates the presence of a post-tectonic feldspar porphyry stock along the contact between the large dioritic body and the basic volcanic rocks. Feldspar porphyry dykes cut the volcanic rocks; local propylitic alteration is noted in the volcanic rocks.

WORK DONE: Geochemical survey, 13 silt samples analysed for silver, arsenic, mercury, and gold and 37 rock samples analysed for silver, arsenic, and gold, on both claims.
REFERENCE: Assessment Report 9012.

LOCKEPORT (Fig. E-1, NTS 103, No. 11)

LOCATION: Lat. 52° 43.5' Long. 131° 52' (103B/12W)
SKEENA M.D. Approximately 11.5 kilometres north of Pocket Inlet, lying off Moresby Island in the Queen Charlottes Islands, 2.5 kilometres west of Klunkwoi Bay.
CLAIMS: LOCKEPORT 1 to 8.
OWNER: J. T. SHEARER, RR 1 (3345) Mason Avenue, Port Coquitlam V3C 3VA.
DESCRIPTION: The area is underlain by Upper Triassic Kunga Formation massive grey-weathering marble member and a thin-bedded black limestone member which are cut and metamorphosed by several masses of coarse crystalline gabbro. Intense silicification and introduction of massive pyrrhotite have accompanied gabbroic intrusions.
WORK DONE: Geochemical survey, 193 soil samples analysed for gold and arsenic, on all claims.
REFERENCE: Assessment Report 8903.

GOLDYLOCKE (Fig. E-1, NTS 103, No. 10)

LOCATION: Lat. 52° 44' Long. 131° 53' (103B/12W, 13W)
SKEENA M.D. Approximately 3 kilometres northwest of Lockeport, with the tip of Crescent Inlet touching the centre of the property.
CLAIMS: LOCKE 1 to 3 (20 units each), LOCKE 4 (12 units), GOLDY 1 (18 units), GOLDY 2 (20 units).
OWNER: J. S. Christie.
OPERATOR: VENTURES WEST MINERALS LTD., 619, 475 Howe Street, Vancouver.
DESCRIPTION: The claims are underlain by Kunga sedimentary rocks cut by a dyke-intrusive complex in fault contact with Karmutsen volcanic rocks. The Karmutsen also is cut by numerous dykes. Arsenopyrite and pyrite occur in andesitic to rhyolitic dykes; bedded pyrite occurs in Kunga argillites.
WORK DONE: Geological mapping, 1:2000; and geochemical survey, 296 soil, 6 silt, and 25 rock samples analysed for gold and arsenic, on Locke 1-4.
REFERENCE: Assessment Report 9059.

CRESCENT (Fig. E-1, NTS 103, No. 12)

LOCATION: Lat. 52° 45' Long. 131° 53' (103B/12W, 13W)
SKEENA M.D. On Moresby Island, covering the western end of Crescent Inlet and extending to Wilson Bay.
CLAIMS: CRESCENT 1 and 2 (20 units each), CRESCENT 3 and 4 (8 units each), CRESCENT 5 (15 units), CRESCENT 6 (6 units).
OWNER: J. C. Stephen.
OPERATOR: B.C. GOLD SYNDICATE LTD., 1458 Rupert Street, North Vancouver V7J 1G1.
METAL: Gold.

DESCRIPTION: The claims are underlain by a complex Masset gabbroic pluton which intrudes Yakoun Formation andesites. The pluton is composed of several phases of coarse gabbro and fine-grained diabase. Many large blocks of banded rhyolite and dacite are found within the gabbro. Silicified and pyritic zones with intense argillic alteration are common. The property is cut by major, steeply dipping block faults trending 40 degrees approximately perpendicular to the main lithological boundaries. Low but anomalous gold values are found in a variety of rock types ranging from gabbro to rhyolite throughout the claims. Some high gold values were found in narrow quartz veins.

WORK DONE: Geological mapping, 1:2500, 1:5000; airborne magnetometer survey, 200 kilometres; and geochemical survey, 125 rock samples analysed for gold, arsenic, and antimony, on all claims; trenching, 75 cubic metres; ground magnetometer survey, 21 kilometres; induced polarization survey, 8 kilometres; diamond drilling, 6 BQ holes, totalling 761 metres, on Crescent 1; geochemical survey, 150 soil samples analysed for gold and arsenic, on Crescent 1, 2, 5.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 242; Assessment Reports 8092, 8252, 9102; Mineral Inventory 103B--C-82.

TANG (Fig. E-1, NTS 103, No. 94)

LOCATION: Lat. 52° 47′ Long. 131° 48′ (103B/13W)
SKEENA M.D. Approximately 22 kilometres southwest from Skedans, situated between Crescent and Dana Inlets.

CLAIMS: TANG 1 (2 units), TANG 2 (4 units), TANG 3 and 4 (16 units each), TANG 5 (10 units).

OWNER: UNION MINIERE EXPLORATION AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The area is underlain by highly folded and faulted blocks of Triassic Karmutsen greenstones, Triassic-Jurassic Kunga limestones and argillites, and Cretaceous Haida conglomerates. The claims straddle a major northwest-trending fault. The fault zone is severely brecciated, siliceous, and locally strongly pyritic.

WORK DONE: Geochemical survey, 291 soil samples analysed for gold, silver, and arsenic, on Tang 1, 3, 4; linecutting, 21.2 kilometres.

REFERENCE: Assessment Report 8675.

HAWKS NEST (Fig. E-1, NTS 103, No. 93)

LOCATION: Lat. 52° 50′ Long. 131° 39′ (103B/13E)
SKEENA M.D. The claims lie on the eastern tip of Talunkwan Island, 48 kilometres southeast of Sandspit.

CLAIMS: BLUE BELL (Lot 135), MAUD (Lot 136), LILLY (Lot 137), ANNIE FR. (Lot 138), HAWKS NEST FR. (Lot 139).

OWNER: J. T. Shearer.

OPERATOR: B.C. GOLD SYNDICATE LTD., c/o J. C. Stephen, 1458 Rupert Street, North Vancouver V7J 1G1.

METALS: Gold, (zinc, copper).

DESCRIPTION: The area is almost entirely underlain by shattered, massive chloritized Karmutsen Formation basalt. Tension-gash veinlets are abundant throughout the claims and are filled with calcite, quartz, and epidote.

WORK DONE: 1979 – geological mapping, 1:1000; 1980 – geochemical survey, 80 soil samples analysed for arsenic and gold, on all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1911, p. 287; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 54, p. 220; Mineral Inventory 103B–C-4; Assessment Reports 481, 7917, 8902.

SINGA (Fig. E-1, NTS 103, No. 97)

LOCATION: Lat. 52° 47.5' Long. 132° 06.5' (103C/16E)
SKEENA M.D. Approximately 13.6 kilometres south of the southern tip of Moresby Lake; claims lie 5 kilometres east of Portland Bay, 5 kilometres northwest of Tasu.

CLAIMS: SINGA 1 to 6 (1 unit each).

OWNER: S. E. Angus.

OPERATOR: J. C. STEPHEN, 1458 Rupert Street, North Vancouver V7J 1G1.

DESCRIPTION: The claims cover a prominent bleached and pyritized zone caused by the intrusion of an epizonal Tertiary feldspar porphyry pluton into the thin-bedded carbonates of the Triassic Kunga Formation.

WORK DONE: Geochemical survey, 74 soil samples analysed for gold and arsenic, on Singa 1, 2, 4, and 6.

REFERENCE: Assessment Report 8980.

BLUE MULE (Fig. E-1, NTS 103, No. 95)

LOCATION: Lat. 52° 51' Long. 132° 09.5' (103C/16E)
SKEENA M.D. Queen Charlotte Islands, 15 kilometres northwest of Tasu, on the west side of Moresby Island and approximately 1.2 kilometres north of the east end of Kootenay Inlet.

CLAIMS: 1979 – BLUE 3 to 6; 1980 – SWINDLE 1 to 8, JD (10 units).

OWNERS: 1979 – C. O'Brien; 1980 – Plaza Mining Corp.

OPERATORS: 1979 – MOUNTAINEER MINES LTD., 505, 409 Granville Street, Vancouver;
1980 – PLAZA MINING CORP., 110, 700 West Georgia Street, Vancouver.

METAL: (Au).

DESCRIPTION: Gold was recovered in the early 20's from five narrow, subparallel quartz veins that strike northeasterly and are sparsely mineralized with pyrite, chalcopyrite, and fine free gold.

WORK DONE: 1979 – airborne magnetometer survey, 85.33 kilometres, covering Blue and surrounding area; 1980 – prospecting, 15 samples analysed for gold, on Swindle 4.

REFERENCES: Mineral Inventory 103B–C-3; Assessment Reports 8070, 9263.

SHG MAGNUM (Fig. E-1, NTS 103, No. 90)

LOCATION: Lat. 52° 53' Long. 132° 14' (103C/16E)
SKEENA M.D. Forty-eight kilometres southwest of Sandspit on Moresby Island, lying due north of the east end of the north arm of Kootenay Inlet.

CLAIMS: SHG MAGNUM (9 units), SHG WEDGE (9 units), SHG TREND (6 units), SHG MILL (6 units).

(103F/1)

OWNER: J. S. Christie.
OPERATOR: PLACER DEVELOPMENT LTD., 800, 1030 West Georgia Street, Vancouver V6E 3A8.
DESCRIPTION: The property consists of massive grey limestone of the Kunga Formation (Triassic-Jurassic) overlying greenstone of the Karmutsen Formation (Triassic) that has been faulted and intruded by swarms of andesitic dykes and associated quartz veins and silicified breccias. Pyrite, pyrrhotite, and arsenopyrite occur in skarn.
WORK DONE: 1979 – geological mapping, 1:10 000 and 1:2000; and geochemical survey, 295 soil, rock, and silt samples analysed for gold and arsenic; 1980 – trenching, 22 trenches, 71 metres total length; and geochemical survey, 95 samples analysed for gold and arsenic, on SHG Magnum.
REFERENCE: Assessment Report 8010.

GRAHAM ISLAND 103F and parts of G, J, and K

OP (Fig. E-1, NTS 103, No. 14)

LOCATION: Lat. 53° 03' Long. 132° 15' (103F/1)
SKEENA M.D. Moresby Island, 35 kilometres southwest of Sandspit, bordering Inskip Channel on the south and extending west to Baylee Bay, north to Security Inlet and Security Cove and east to a small unnamed lake 1 kilometre east of Mosquito Lake.
CLAIMS: OP 1 to 11 and OVERPROOF (totalling 148 units).
OWNER: CHEVRON CANADA LTD., 901, 355 Burrard Street, Vancouver.
DESCRIPTION: The property is underlain chiefly by Triassic Karmutsen massive and pillowed basalts with subordinate argillaceous and cherty interbedded sedimentary rocks. This is overlain by Upper Triassic/Lower Jurassic Kunga limestones. Tertiary Masset (?) rhyolite occurs as dykes and flow-banded sheet-like bodies.
WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 553 soil samples and 215 rock samples analysed for gold and arsenic, covering OP 1-5, 8-11 and Overproof.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 243; Assessment Reports 7441, 7763, 8405.

SKID, AGATE (Fig. E-1, NTS 103, No. 13)

LOCATION: Lat. 53° 08' Long. 132° 00' (103F/1E; 103G/4W)
SKEENA M.D. Approximately 12 kilometres south from Skidegate, with Skidegate Lake just south of the property.
CLAIMS: SKID, SKID 2, AGATE, AGATE 2 (totalling 80 units).
OWNER: James S. Christie.
OPERATOR: VENTURES WEST MINERALS LTD., c/o 3921 West 31st Avenue, Vancouver.
METAL: (Gold).
DESCRIPTION: Cretaceous Haida Formation shales, siltstones, and sandstones are overlain by Cretaceous Honna Formation conglomerates and minor sandstones. A few presumably Tertiary andesitic dykes intrude these formations. Faults trending 045 degrees to 080 degrees control some alteration-mineralization.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, approximately 480 soil and 50 rock samples analysed for gold, arsenic, and mercury, covering Skid and Agate.
REFERENCE: Assessment Report 9058.

BATEAUX (Fig. E-1, NTS 103, No. 15)

LOCATION: Lat. 53° 03' Long. 132° 30' (103F/1W, 2E)
SKEENA M.D. Approximately 6 kilometres south of Buck Channel on Moresby Island, 1 kilometre northwest of Kaisun Harbour in Englefield Bay.
CLAIMS: BATEAUX 2 (20 units), BATEAUX 3 (15 units), BATEAUX 4 (9 units).
OWNER: G. G. Richards.
OPERATOR: CANADIAN NICKEL CO. LTD., 80, 10451 Shellbridge Way, Richmond.
DESCRIPTION: The claims are underlain by Upper Triassic Kunga limestone and Karmutsen volcanic rocks intruded by granitic rocks and various felsites of intrusive relations. The felsites are divided into four units and their relationship to mineralization is under study.
WORK DONE: Surface geological mapping, 1:1000 and 1:5000; geochemical survey, 432 soil, 247 silt, and 737 rock samples analysed for gold and arsenic, covering Bateaux 2 and 3.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploraton in B.C., 1979, p. 243; Assessment Reports 7625, 8519.

PURE BULLION (Fig. E-1, NTS 103, No. 16)

LOCATION: Lat. 53° 14' Long. 132° 32' (103F/1W, 2E)
SKEENA M.D. Approximately 34 kilometres north-northwest of Queen Charlotte City; Gudal Creek, which flows into Gudal Bay, cuts through the property.
CLAIMS: PURE BULLION 1 (12 units), PURE BULLION 2 (18 units).
OWNER: J. S. Christie.
OPERATORS: PLACER DEVELOPMENT LTD. and CANADIAN NICKEL CO. LTD., 80, 10451 Shellbridge Way, Richmond.
DESCRIPTION: The claims are underlain by basic volcanic flows and greenstones of the Karmutsen Formation, massive Kunga limestones with flaggy limestones, and limy argillites above. Relationships are complex due to faulting. Tertiary dykes lie in northwest and northeast trends.
WORK DONE: Geological mapping, 1:5000; geochemical survey, 16 soil, 30 silt, and 22 rock samples analysed for gold and arsenic, covering Pure Bullion 1 and 2.
REFERENCE: Assessment Report 8662.

BEV (Fig. E-1, NTS 103, No. 99)

LOCATION: Lat. 53° 20.5' Long. 132° 40' (103F/7E)
SKEENA M.D. Graham Island, 1.5 kilometres north of Kano Inlet.
CLAIMS: CH 1 (20 units), CH 2 (8 units).
OWNER: TEXASGULF CANADA LTD., 701, 1281 West Georgia Street, Vancouver V6E 3J7.
METALS: (Copper, molybdenum).
DESCRIPTION: The claims cover a 1.5-kilometre by 3-kilometre feldspar porphyry stock which intrudes Jurassic dioritic rocks. The Jurassic diorite is syntectonic;

the porphyry is post-tectonic emplaced along major fault zones. On the property the porphyry is locally brecciated and cut by late andesite dykes. Minor chalcopyrite, molybdenite, pyrite, and arsenopyrite are found in quartz-sericite-altered fractures.

WORK DONE: Geochemical survey, 11 silt samples analysed for silver, arsenic, mercury, and gold and 19 rock samples analysed for silver, arsenic, and gold, covering CH 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 100; Assessment Report 9015; Mineral Inventory 103F–G-32.

STAR (Fig. E-1, NTS 103, No. 33)

LOCATION: Lat. 53° 27.5′ Long. 132° 15′ (103F/8)
SKEENA M.D. Approximately 22 kilometres northeast of Shields Island (an island in Shields Bay), with Drill Creek cutting through the centre of the claim group.

CLAIM: STAR 1 (20 units).

OWNER: ZEP ENERGY CORP., 1785, 777 Hornby Street, Vancouver V6Z 1S4.

DESCRIPTION: The claims are underlain by Jurassic Yakoun Formation; calcareous tuff with fine pyrite is exposed in a road cut on the property.

WORK DONE: Geochemical survey, 1 200 soil samples analysed for gold, silver, arsenic, and mercury; ground electromagnetic survey, 23 kilometres, covering Star 1.

REFERENCE: Assessment Report 8746.

SUN (Fig. E-1, NTS 103, No. 32)

LOCATION: Lat. 53° 28.5′ Long. 132° 15′ (103F/8)
SKEENA M.D. Approximately 16.6 kilometres north-northwest of the northern tip of Yakoun Lake, with Yakoun River cutting through the western half of the claims in a north-south direction.

CLAIM: SUN 2 (15 units).

OWNER: GIGI OIL AND GAS LTD., 1785, 777 Hornby Street, Vancouver V6Z 1S4.

DESCRIPTION: The property is underlain by calcareous tuffs and rhyolite-dacites of the Jurassic Yakoun Formation.

WORK DONE: Geochemical survey, 971 soil samples analysed for gold, silver, arsenic, and mercury; ground electromagnetic survey, approximately 27 kilometres, covering Sun 2.

REFERENCE: Assessment Report 8740.

COURTE (STIB, ANT) (Fig. E-1, NTS 103, No. 21)

LOCATION: Lat. 53° 22′ Long. 132° 24′ (103F/8W)
SKEENA M.D. Five kilometres north from Shields Island, at the south end of Shields Bay, on the south slope of Old Baldy Mountain.

CLAIMS: STIB, ANT (totalling 18 units).

OWNER: UNION MINIERE EXPLORATION AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: (Gold, silver, antimony).

DESCRIPTION: The area is underlain by sedimentary and volcanic rocks belonging to the Yakoun Formation of Jurassic age which are intruded and partly metamorphosed by rhyolite dykes thought to be related to the Masset Formation of Early Tertiary age. The Yakoun Formation trends in a northwestern direction. Several dykes of medium to fine-grained rhyolite intrude both the sedimentary and volcanic rocks. The rhyolite dykes trend north 70 degrees west and dip nearly vertical. Gold, silver, and antimony mineralization is associated with quartz veins and altered zones within and peripheral to the rhyolite dykes.

WORK DONE: Surface geological mapping, 1:5000; geochemical soil survey, covering Stib and Ant.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E205, 1978, p. E232; 1979, p. 246; Assessment Reports 6726, 7265; Mineral Inventory 103F–G-3.

COURTE (SOL, RILEY) (Fig. E-1, NTS 103, No. 18)

LOCATION: Lat. 53° 22′ Long. 132° 25′ (103F/8W)
SKEENA M.D. Southwest coast of Graham Island, north of the head of Rennell Sound, covering the lower parts of Riley and Needles Creeks.

CLAIMS: SOL 1 to 4, RILEY 1 and 2, HEMLOCK 1 and 2, SHIELDS (totalling 39 units).

OWNER: CHEVRON CANADA LTD., 901, 355 Burrard Street, Vancouver V6C 2G8.

METAL: (Gold).

DESCRIPTION: The property is underlain mainly by pyroclastic andesitic rocks and volcanic sedimentary rocks of the Yakoun Formation (Jurassic), quartz diorite intrusive rocks (Cretaceous), and rocks of the Masset Formation (Tertiary). A west-northwesterly trending fault system is the dominant structure. Auriferous carbonate-sulphide-sericite-silica alteration occurs in zones up to 500 by 150 metres.

WORK DONE: Surface diamond drilling, 5 BQ holes totalling 855.8 metres, on Sol 2, 4, Riley 2, and Hemlock 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 233; 1979, pp. 246, 247; Assessment Reports 6968, 7440, 8225.

DALE'S FIRST (Fig. E-1, NTS 103, No. 34)

LOCATION: Lat. 53° 24′ Long. 132° 20′ (103F/8W)
SKEENA M.D. Approximately 7.6 kilometres north-northwest of Etheline Bay, with Phantom Creek flowing through Dale's Third and Ghost Creek flowing through Dale's First.

CLAIMS: DALE'S FIRST (16 units), DALE'S SECOND (20 units), DALE'S THIRD (16 units).

OWNER: UNION MINIERE EXPLORATION AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: A major fault transects the claims from the southeast corner of Dale's Third to the northwest corner of Dale's First. Essentially the east side of the fault is underlain by calcareous to carbonaceous argillites and minor limestone of the Kunga Formation, the west side by volcanic siltstones, minor sandstone, and tuffaceous shale of the younger Yakoun Formation. Minor pyritic rhyolite dykes occur locally along the fault.

WORK DONE: Geochemical survey, 337 soil and 16 silt samples analysed for silver, mercury, arsenic, and gold, covering Dale's First and Dale's Third.

REFERENCE: Assessment Report 8715.

KING (Fig. E-1, NTS 103, No. 19)

LOCATION:	Lat. 53° 26′ Long. 132° 20′ (103F/8W) SKEENA M.D. Twenty-two kilometres northwest of Queen Charlotte City, 5 kilometres east of Old Baldy Mountain.
CLAIMS:	KING 1 to 6, 8 to 10, GOLD FEVER (totalling 68 units).
OWNER:	Chevron Canada Ltd.
OPERATOR:	CHEVRON STANDARD LTD., Minerals Staff, 901, 355 Burrard Street, Vancouver V6C 2G8.
WORK DONE:	Surface diamond drilling, 8 BQ holes totalling 953 metres, on King 1, 2, and 10.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, p. E233; 1979, p. 247; Assessment Report 6925.

CHRIS (Fig. E-1, NTS 103, No. 98)

LOCATION:	Lat. 53° 27′ Long. 132° 30′ (103F/8W, 7E) SKEENA M.D. Approximately 6 kilometres north of the mouth of Riley Creek and Rennell Sound.
CLAIMS:	CHRIS, CHRIS 2 to 5 (totalling 50 units).
OWNER:	UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.
DESCRIPTION:	The claims are underlain by the basal member of the Tartu Inlet facies of the Tertiary Masset Formation consisting of basalt breccias and columnar flows, rhyolitic air fall, and ash flow tuffs and flows.
WORK DONE:	1979 – geochemical survey, 153 soil and 20 silt samples analysed for gold, mercury, and arsenic, covering Chris; 1980 – linecutting, 11.8 kilometres; geochemical survey, 185 soil samples analysed for gold, arsenic, and copper, covering Chris 5.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1979, pp. 244, 245; Assessment Reports 7265, 7866, 8845.

SHIELA (Fig. E-1, NTS 103, No. 20)

LOCATION:	Lat. 53° 28.5′ Long. 132° 20′ (103F/8W) SKEENA M.D. Twenty-seven kilometres south from Port Clements, 6 kilometres northeast from Old Baldy Mountain.
CLAIMS:	SHIELA 1 to 4 (totalling 52 units).
OWNER:	UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.
DESCRIPTION:	A major part of the claims is underlain by light to dark green diorite with feldspar porphyry margins (Cretaceous/Tertiary ?). The southern part of Shiela 4 is underlain by thin-bedded Kunga calcareous argillites and in the central part of Shiela 1 the Kunga is hornfelsed. A north-south linear, possibly a fault, extends through Shiela Lake. Brecciated quartz and calcite veins extend southwest from the northeast corner of Shiela 1.
WORK DONE:	Linecutting, 11 kilometres; geochemical survey, 232 soil samples analysed for gold, silver, mercury, and arsenic, covering Shiela 1, 2, and 4.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.,* 1979, pp. 247, 248; Assessment Reports 7265, 8676.

GOLD, PEN (Fig. E-1, NTS 103, No. 23)

LOCATION: Lat. 53° 30′ Long. 132° 17′ (103F/8W, 9W)
SKEENA M.D. Fifteen kilometres south-southwest from Port Clements, running east from Marie Lake along the north bank of Gold Creek.

CLAIMS: GOLDEN (16 units), SIDE (16 units), GOLD (4 units), PEN (20 units), CIL (20 units).

OWNERS: ASHCROFT RESOURCES LTD., 801, 700 West Pender Street, Vancouver V6C 1G8 and BURLINGTON GOLD MINES LTD., 1012, 470 Granville Street, Vancouver V6C 1V5.

DESCRIPTION: Rocks consist of volcanic ash, tuffs, agglomerates, and conglomerates. There appears to be at least two amygdaloidal basaltic dykes, grading to ash on the walls. Generally mineralization consists of fine pyrite filling fractures and rimming pebbles, also along the walls of the fine quartz veining.

WORK DONE: VLF–EM survey, 9 000 metres; geochemistry; road construction; diamond drilling, approximately 500 metres, on Golden and Side.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 248; Assessment Report 7815.

MANY YEARS (Fig. E-1, NTS 103, No. 25)

LOCATION: Lat. 53° 30′ Long. 132° 20′ (103F/8W, 9W)
SKEENA M.D. Thirty-two kilometres northwest of Queen Charlotte City on Graham Island; property covers Marie Lake.

CLAIMS: MANY YEARS 1 (4 units), MANY YEARS 2 (12 units), MANY YEARS 3 (1 unit), MANY YEARS 4 (3 units), OLD TRAIL (20 units), DUST 1 (8 units), DUST 2 (8 units), OLD PROSPECTOR (4 units), GOES (9 units), HERE (6 units).

OWNERS: Gordon Richards and Chevron Canada Ltd.

OPERATOR: CHEVRON STANDARD LTD., 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: The claims are underlain by felsic volcanic rocks, basaltic to andesitic volcanic rocks, and a pyroclastic unit with fragments of the first two, all of the Tertiary Masset Formation. Basaltic dykes with near northerly strikes and steep westerly dips cut the Masset Formation.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 156 soil and 56 rock samples analysed for gold and arsenic, covering Dust 1, 2, Old Trail, Old Prospector, and Many Years 2; surface geological mapping, 1:5000; geochemical survey, 12 rock, 40 soil, and 32 silt samples analysed for gold, arsenic, and mercury, covering Goes, Here.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 248; Assessment Reports 7563, 7980, 8380, 8398.

SOUTHEASTER (Fig. E-1, NTS 103, No. 104)

LOCATION: Lat. 53° 15′ Long. 132° 00′ (103F/8E; 103G/5W)
SKEENA M.D. On the southeast corner of Graham Island near Skidegate.

CLAIM: SE 1 (16 units).

OWNER: ISLAND GOLD EXPLORATIONS INC., 1620, 701 West Georgia Street, Vancouver V6B 2A2.

METAL: Gold.

(103F/8E)

DESCRIPTION: Shear-controlled gold mineralization occurs in Yakoun volcanic rocks of Middle to Late Jurassic age.

WORK DONE: 1979 – airborne electromagnetic and airborne magnetometer surveys, 77.3 kilometres each, covering SE 1.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1936, p. 63; Assessment Report 8144; Mineral Inventory 103F–G-6.

L (Fig. E-1, NTS 103, No. 101)

LOCATION: Lat. 53° 23′ Long. 132° 02.5′ (103F/8E)
SKEENA M.D. Approximately 16 kilometres north of Queen Charlotte City, with Lella Creek cutting through the centre of the claims.

CLAIMS: L 1 to 6 (totalling 120 units).

OWNER: Edward G.W. Bush.

OPERATOR: FOREMOST ENERGY CORP., 807, 543 Granville Street, Vancouver.

DESCRIPTION: No bedrock was seen.

WORK DONE: Geochemical survey, 432 soil samples analysed for silver, arsenic, gold, and mercury, covering L 1-3.

REFERENCE: Assessment Report 9016.

SURVEY (Fig. E-1, NTS 103, No. 100)

LOCATION: Lat. 53° 23′ Long. 132° 07′ (103F/8E)
SKEENA M.D. Approximately 17 kilometres north of Queen Charlotte City, with Survey Creek running through the centre of the property.

CLAIMS: SURVEY 1 to 6 (totalling 120 units).

OWNER: D. M. Fahey.

OPERATOR: FOREMOST ENERGY CORP., 807, 543 Granville Street, Vancouver.

DESCRIPTION: The only rocks seen on the property were porphyritic andesite agglomerate of the Yakoun Formation.

WORK DONE: 1979 – geochemical survey, 2 379 soil samples analysed for gold and arsenic, covering Survey 1, 3, and 5.

REFERENCE: Assessment Report 8821.

BRIDGE (Fig. E-1, NTS 103, No. 31)

LOCATION: Lat. 53° 24.6′ Long. 132° 13′ (103F/8E)
SKEENA M.D. Queen Charlotte Islands, north central part of Graham and 4 kilometres southeast of the community of Juskatla.

CLAIM: BRIDGE (20 units).

OWNER: R. CALABRIGO, 1150 Millstream Road, West Vancouver.

DESCRIPTION: The property is underlain by Jurassic Yakoun Formation and Cretaceous Haida Formation.

WORK DONE: Ground electromagnetic survey, 3.5 kilometres, covering Bridge.

REFERENCES: Assessment Reports 8233, 8587.

FLY (Fig. E-1, NTS 103, No. 17)

LOCATION: Lat. 53° 25.5′ Long. 132° 05′ (103F/8E)
SKEENA M.D. Approximately 20 kilometres north-northwest of Queen Charlotte City, with Feather Lake lying 2.5 kilometres northwest of the property.

CLAIM: FLY 6 (20 units).

OWNER: SOUTHERN UNION RESOURCES INC., 1620, 700 West Georgia Street, Vancouver V7Y 1C6.

DESCRIPTION: The rocks consist of Tertiary Skonun Formation and Middle Jurassic Yakoun Formation pyroclastic rocks. The Sandspit fault lies to the east of the claim area.

WORK DONE: Geochemical survey, 546 soil samples analysed for gold, silver, mercury, and arsenic; ground magnetometer survey, 8 kilometres; ground electromagnetic survey, 8 kilometres, covering Fly 6.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 249; Assessment Reports 7840, 8826.

FLY (Fig. E-1, NTS 104, No. 102)

LOCATION: Lat. 53° 26′ Long. 132° 08′ (103F/8E)
SKEENA M.D. Approximately 20 kilometres southwest of Tlell; the western half of Feather Lake cuts into the east-central border of the claims.

CLAIMS: FLY 1, 2, 5 (20 units each).

OWNER: BLACK DIAMOND RESOURCES LTD., 1800, 700 West Georgia Street, Vancouver.

WORK DONE: Geochemical survey, 185 soil samples analysed for gold, silver, mercury, and arsenic, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 249; Assessment Reports 7840, 9017.

MOON (Fig. E-1, NTS 103, No. 103)

LOCATION: Lat. 53° 27′ Long. 132° 14′ (103F/8E)
SKEENA M.D. Approximately 23 kilometres northwest from Queen Charlotte, with Drill Creek flowing into the north-central portion of the claims.

CLAIMS: MOON 1 (18 units), MOON 2 (14 units), SUN 1 (12 units).

OWNER: E. AMENDOLAGINE, 4550 Harriet Street, Vancouver V5V 4K5.

WORK DONE: Geochemical surveys, 99 soil samples analysed for molybdenum, copper, zinc, silver, and lead on Moon 1 and Sun 1 and 34 soil samples analysed for molybdenum, copper, zinc, silver, and lead on Moon 2.

REFERENCES: Assessment Reports 9030, 9029.

PONTOONS (Fig. E-1, NTS 103, No. 105)

LOCATION: Lat. 53° 29′ Long. 132° 02′ (103F/8E)
SKEENA M.D. Thirty kilometres north of Skidegate, 5 kilometres directly north from the junction of Tlell River and Survey Creek.

CLAIM: PONTOONS (20 units).

OWNER: G. G. Richards.

OPERATOR: PLACER DEVELOPMENT LTD., 10th Floor, Burrard Building, Vancouver.

WORK DONE: 1979 – geochemical survey, 18 soil samples analysed for gold, arsenic, and mercury and 58 silt samples analysed for gold and arsenic, on Pontoons.

REFERENCE: Assessment Report 8720.

NECK (Fig. E-1, NTS 103, No. 22)

LOCATION: Lat. 53° 30′ Long. 132° 12′ (103F/8E, 9E)
SKEENA M.D. On Graham Island, approximately 14 kilometres south-southeast of Yakoun Bay on Masset Inlet; Yakoun River passes through the northern edge of the property and Canyon Creek lies to the east.

CLAIM: NECK (20 units).

OWNER: K. G. SANDERS, 1940 Limerick Place, North Vancouver V7J 3A1.

DESCRIPTION: There are few outcrops on the claims. The southern area is Jurassic Yakoun Formation, the northern area is Cretaceous Haida Formation, and eastward is the Tertiary Skonun Formation. Paleocene Masset Formation is in road cuts on the northerly and easterly sides.

WORK DONE: Geochemical survey, 213 soil samples analysed for gold and mercury, on Neck.

REFERENCE: Assessment Report 8363.

BARBIE (Fig. E-1, NTS 104, No. 26)

LOCATION: Lat. 53° 30′ Long. 132° 13′ (103F/8E, 9E)
SKEENA M.D. Approximately 16 kilometres south-southwest of Yakoun Bay on Masset Inlet; Yakoun River cuts through the centre of the property and Canyon Creek lies just east of the claims.

CLAIM: BARBIE (20 units).

OWNER: A. Morrow.

OPERATOR: KENNEDY RESOURCES INC., 1006, 750 West Pender Street, Vancouver V6C 2T8.

DESCRIPTION: The property consists of argillites, rhyolite, and rhyolite porphyry and tuffs of the Haida Formation (Cretaceous). Rock is fractured, predominantly at 270 degrees azimuth with dips steeply northerly. Grab samples assayed 0.01 to 0.008 ounce per ton gold.

WORK DONE: Ground electromagnetic survey, 25.25 kilometres; and geochemical survey, 896 soil samples analysed for gold, mercury, silver, and arsenic, on Barbie.

REFERENCE: Assessment Report 8368.

RIVER (Fig. E-1, NTS 103, No. 39)

LOCATION: Lat. 53° 30.5′ Long. 132° 15′ (103F/9)
SKEENA M.D. Approximately 17 kilometres north-northeast of the northern tip of Yakoun Lake; claims lie 1 kilometre north of the junction of Gold Creek and Yakoun River.

CLAIM: RIVER (12 units).

OWNER: R. CALABRIGO, 1150 Mill Stream Road, West Vancouver.

DESCRIPTION: The northern part of the claim is underlain by the Masset Formation and the southern part by the Haida Formation.

WORK DONE: Linecutting; and ground electromagnetic survey, VLF, 10 kilometres.

REFERENCES: Assessment Reports 8233, 8586.

KENNY (Fig. E-1, NTS 103, No. 35)

LOCATION: Lat. 53° 32.5′ Long. 132° 15′ (103F/9)
SKEENA M.D. Approximately 11 kilometres south-southwest of Yakoun Bay in Masset Inlet; the southern tip of Florence Creek cuts through the northern tip of the property.

CLAIM: KENNY (18 units).
OWNER: A. H. MORROW, 648 East Second Street, North Vancouver.
WORK DONE: Ground electromagnetic survey, 12 kilometres.
REFERENCE: Assessment Report 8617.

HOOK (Fig. E-1, NTS 103, No. 107)

LOCATION: Lat. 53° 33′ Long. 132° 15′ (103F/9)
SKEENA M.D. Sixteen kilometres south-southwest of Port Clements, covering the headwaters of Florence and Canoe Creeks.
CLAIMS: HILL, HOOK, SOUTH FLORENCE.
OWNERS: A. Tosi and R. Calabrigo.
OPERATOR: R. CALABRIGO, 1150 Mill Stream Road, West Vancouver.
DESCRIPTION: There are no outcrops on the property. Inferred geology has the property underlain by Paleocene Masset Formation (basalts, breccias, rhyolites, and dacites) and in parts of the claim group by Skonun Formation (sands, sandstones, mudstones, and conglomerates).
WORK DONE: Electromagnetic ground survey, 30.6 kilometres, on all claims.
REFERENCES: Assessment Reports 8233, 8817.

MB 6 (Fig. E-1, NTS 103, No. 28)

LOCATION: Lat. 53° 34′ Long. 132° 15′ (103F/9)
SKEENA M.D. Fifteen kilometres southwest of Port Clements, 3.5 kilometres southwest of the settlement of Juskalta on Graham Island.
CLAIMS: MB 5, 6, 9, 15 (20 units each).
OWNER: Ventora Resources Ltd.
OPERATORS: CANADIAN MINERAL CORP. and CHARLOTTE RESOURCES LTD., 2050, 200 Granville Street, Vancouver.
DESCRIPTION: The property is underlain by sheared basalt, possibly the upper (?) member Masset Formation with some fracture filling with calcite and aragonite.
WORK DONE: Backhoe pits, 47 pits, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 250; Assessment Report 7781.

D'OR (Fig. E-1, NTS 103, No. 106)

LOCATION: Lat. 53° 30′ Long. 132° 09′ (103F/9E)
SKEENA M.D. Queen Charlotte Islands, 50 kilometres south of Port Clements, covering part of the Yakoun River drainage.
CLAIMS: RUM 1 to 8 (8 units), CAL, D'OR (20 units each).
OWNERS: W. D. Evans and R. E. Schumacher.
OPERATOR: LOMBARDI RESOURCES LTD., 835, 470 Granville Street, Vancouver.
DESCRIPTION: The claims appear to be underlain by Skohun and Haida Formation sedimentary rocks in contact with Yakoun volcanic rocks.
WORK DONE: Airborne electromagnetic survey and airborne magnetometer survey, 250 kilometres, on all claims.
REFERENCE: Assessment Report 9046.

YAKY (Fig. E-1, NTS 103, No. 36)

LOCATION: Lat. 53° 32′ Long. 132° 10′ (103F/9E)
SKEENA M.D. The property is situated approximately 16 kilometres south from Port Clements with the Yaky 1 claim lying at the junction of Bear Creek and Log Creek.

CLAIMS: YAKY 1 to 3 (20 units each).

OWNER: CONSOLIDATED CINOLA MINES LTD., 402, 595 Howe Street, Vancouver.

DESCRIPTION: The property appears to be underlain by Masset and Kunga Formations; outcrops are rare.

WORK DONE: Ground electromagnetic survey, 20 kilometres, on Yaky 3; and geochemical survey, 20 silt samples analysed for gold and mercury, on Yaky 1 and 2.

REFERENCE: Assessment Report 8601.

BABE (Fig. E-1, NTS 103, No. 38)

LOCATION: Lat. 53° 32′ Long. 132° 13′ (103F/9E)
SKEENA M.D. Eighteen kilometres south from Port Clements, 8 kilometres west from Marie Lake.

CLAIMS: BABE 1 to 32, RIC 1 to 12, RIC 20 Fraction to 26 Fraction, BILL.

OWNERS: Consolidated Cinola Mines Ltd. and Energy Reserves Canada Ltd.

OPERATOR: CONSOLIDATED CINOLA MINES LTD., 402, 595 Howe Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Pervasive gold mineralization of moderate grade occurs over an area of 1 000 metres by 300 metres in Tertiary volcanic and Skonun sedimentary rocks associated with the Sandspit fault system. Mineralization occurs over a vertical range of 300 metres. The gold is associated with chalcedonic quartz introduced into the volcanic and sedimentary rocks. Gold is also associated with pyrite, marcasite, and lignite contained in the sedimentary rocks.

WORK DONE: Geological mapping, 1:5000; road building, 3 kilometres; and geochemical survey, 700 soil samples analysed for gold, mercury, and arsenic, on southern half of property; diamond drilling, 50 NQ and 20 BQ holes, totalling 10 000 metres, on Babe 3, 5-10, 12; underground development, 70 metres, on Babe 5, 7; 20 claims surveyed.

REFERENCES: Mineral Inventory 103F–G-34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Geology in B.C., 1975, pp. G 73-G 77; Geological Fieldwork, 1975, Paper 1976–1, pp. 71-75; Exploration in B.C., 1977, p. E 206; 1978, p. E 234; 1979, p. 249; Assessment Reports 2890, 3517, 5284, 5417, 6754, 7208, 8730.

BRE (Fig. E-1, NTS 103, No. 24)

LOCATION: Lat. 53° 32.5′ Long. 132° 13′ (103F/9E)
SKEENA M.D. Approximately 17 kilometres south from Port Clements, with Canoe Creek running through the northern portion of the property.

CLAIMS: BRE 1 to 50, WOOF Fraction.

OWNER: MUTUAL RESOURCES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.

DESCRIPTION: The property is underlain, at least in part, by felsic volcanic rocks (rhyolite), minor Haida shale, and probably to a large extent Miocene-Pliocene Skonun sedimentary rocks.

WORK DONE: Ground electromagnetic survey, 35.4 kilometres; and geochemical survey, 587 soil samples analysed for gold, silver, arsenic, and mercury, on Bre 9-34.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Geology in B.C., 1975, pp. G 75-G 77 (Babe); Geological Fieldwork, 1975, Paper 1976–1, pp. 71-75; Exploration in B.C., 1975, p. E 172; 1979, pp. 249, 250; Assessment Reports 5284, 5417, 7904, 8569.

CORNER (Fig. E-1, NTS 103, No. 108)

LOCATION: Lat. 53° 33' Long. 132° 12' (103F/9E)
SKEENA M.D. Approximately 25 kilometres south of Juskatla, lying north and west of Yakoun River and east of Canoe Creek.

CLAIMS: DIP (15 units), CORNER (20 units).

OWNER: R. R. Dion.

OPERATOR: KNOBBY LAKE MINES LTD., 807, 535 Granville Street, Vancouver V6C 1X8.

DESCRIPTION: There are no rock outcrops on the property. The inferred sequence of underlying lithology is sedimentary rocks of the Skonun Formation, basalt, and rhyolite flow rocks of the Masset Formation, and argillite of the Kunga Formation.

WORK DONE: 1979 – geochemical survey, 120 soil samples analysed for mercury and molybdenum, some for arsenic and gold; and linecutting, 9 kilometres, on Corner; 1980 – linecutting, 50 kilometres; ground electromagnetic survey, 48 kilometres; and geochemical survey, 1 081 soil samples analysed for gold, mercury, and arsenic, on Corner.

REFERENCES: Assessment Reports 8419, 8632, 9966.

YAK (Fig. E-1, NTS 103, No. 37)

LOCATION: Lat. 53° 34' Long. 132° 10' (103F/9E)
SKEENA M.D. Approximately 10.1 kilometres south-southeast of the mouth of Cohoe Creek and Yakoun Bay; Yakoun River flows through the claims.

CLAIMS: YAK 1 and 2 (12 units each), YAK 3 (15 units), EASY (20 units), TASU (4 units).

OWNERS: R. R. Dion and J. N. Morton.

OPERATOR: R. R. DION, 5446 7B Street, Delta.

WORK DONE: Geochemical survey, 1 199 soil samples analysed for silver, gold, arsenic, and mercury, on Yak 1-3.

REFERENCE: Assessment Report 8702.

MB 2 (Fig. E-1, NTS 103, No. 137)

LOCATION: Lat. 53° 35' Long. 132° 15' (103F/9E)
SKEENA M.D. Approximately 5.5 kilometres south-southwest of Yakoun Bay, with Florence Creek flowing through the centre of the property.

CLAIMS: MB 2, 3, 8, 16 (20 units each).

OWNERS: 1979 – A. Clemiss; 1980 – A. Tosi and R. Calabrigo.

OPERATORS: 1979 – CALABRIGO AND ASSOCIATES, 711, 535 Granville Street, Vancouver; 1980 – R. CALABRIGO, 1150 Mill Stream Road, West Vancouver.

DESCRIPTION: The claims are underlain by subaerial basalt flow rocks, breccia, rhyolite, and dacite.

WORK DONE: 1979 – geochemical survey, 572 soil samples analysed for gold and mercury, on all claims; 1980 – ground electromagnetic survey, 58 kilometres, on MB 2, 3, and 8 and 24 kilometres on MB 16.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 135; Assessment Reports 7781, 8232, 8597, 8685, 8816.

TRAIL (Fig. E-1, NTS 103, No. 27)

LOCATION: Lat. 53° 31' Long. 132° 25' (103F/9W)
SKEENA M.D. Graham Island, approximately 9.3 kilometres west-southwest of the junction of Blackwater Creek and Mamin River.

CLAIMS: CD (10 units), EMMONS (18 units), TRAIL (20 units).

OWNER: G. G. Richards.

OPERATOR: 1979 – CHEVRON STANDARD LTD., 901, 355 Burrard Street, Vancouver; 1980 – VENTURES WEST MINERALS LTD., 619, 475 Howe Street, Vancouver V6C 2B3.

DESCRIPTION: The claims are underlain by Tertiary Masset Formation rhyolite, dacite, andesite, and basalt. They are subdivided into a rhyolite tuff and breccia unit, a flow-banded and massive rhyolite unit, a chloritic rhyodacite pyroclastics and flow unit, and an andesitic pyroclastics and flow unit. Attitudes of banding are north to northeast; dips are easterly. Pyrite occurs in blebs and veins.

WORK DONE: 1979 – geological mapping, 1:10 000 and geochemical survey, 127 soil, silt and rock samples analysed for gold, arsenic, and silver, on all claims; 1980 – geological mapping, 1:5000 and geochemical survey, 208 soil, 16 silt, and 58 rock samples analysed for gold and arsenic, on Emmons and Trail.

REFERENCES: Assessment Reports 7980, 8380, 8398, 8400, 8660.

LARK (Fig. E-1, NTS 103, No. 133)

LOCATION: Lat. 53° 32' Long. 132° 20' (103F/9W)
SKEENA M.D. Twenty-five kilometres south-southwest of Port Clements, Queen Charlotte Islands, straddling Mamin River north of Pam Lake.

CLAIMS: LARK 1 to 5 (16 units each), LARK 6 to 8 (20 units each).

OWNER: SUZIE MINING EXPLORATIONS LTD., 915, 409 Granville Street, Vancouver V6C 1T8.

DESCRIPTION: The outcrops at higher elevations are basalts of the Masset Formation.

WORK DONE: Geochemical survey, 238 soil samples analysed for gold, arsenic, and mercury, on Lark 1-5 and 8 and 14 silt samples analysed for gold, arsenic, and mercury on Lark 3.

REFERENCES: Assessment Reports 8843, 9512.

OB (Fig. E-1, NTS 103, No. 30)

LOCATION: Lat. 53° 34' Long. 132° 28' (103F/9W)
SKEENA M.D. Twenty kilometres from Port Clements, at the south end of Juskatla Inlet.

CLAIMS: OB 1 to 4 (20 units each).

OWNER: Charlotte Resources Ltd.

OPERATOR: CANADIAN MINERAL CORP., 2050, 200 Granville Street, Vancouver V6C 1S4.
DESCRIPTION: Widespread low-grade gold values are found in a folded, brecciated, silicified, and pyritized acid member at the Tertiary Masset Formation.
WORK DONE: Backhoe pitting, approximately 100 pits, on OB 1 and 2.

MB 10 (Fig. E-1, NTS 103, No. 138)

LOCATION: Lat. 53° 36′ Long. 132° 17.5′ (103F/9W)
SKEENA M.D. Approximately 8.5 kilometres southwest of where Juskatla Inlet meets Masset Inlet, 3.5 kilometres south of Cowhoe Bay.
CLAIM: MB 10 (20 units).
OWNER: BRIDGE RESOURCES LTD., 1700, 777 Hornby Street, Vancouver V6Z 1S4.
DESCRIPTION: The property is underlain by Paleocene Masset Formation of subaerial basalt flows and breccias, rhyolite, ash flows, and dacite.
WORK DONE: Ground electromagnetic survey, 10.3 kilometres; and geochemical survey, 210 soil samples analysed for gold, silver, arsenic, and mercury, on MB 10.
REFERENCES: Assessment Reports 8232, 8597.

DOME (Fig. E-1, NTS 103, No. 29)

LOCATION: Lat. 53° 38′ Long. 132° 22′ (103F/9W)
SKEENA M.D. Thirteen kilometres southeast from Port Clements on Harrison Islands in Juskalta Inlet.
CLAIMS: DOME 1 (2 units), DOME 2 and 3 (4 units each), DOME 4 (2 units).
OWNER: Brace Resources Ltd.
OPERATORS: CHARLOTTE RESOURCES LTD. and CANADIAN MINERAL CORP., 2050, 200 Granville Street, Vancouver.
DESCRIPTION: Minor gold values accompany pervasive silicification of a folded and brecciated acid member of the Masset Formation.
WORK DONE: Backhoe pitting, approximately 50 pits, on Dome 2 and 3.
REFERENCE: *Geol. Surv., Canada*, Mem. 105, p. 88.

DAY (Fig. E-1, NTS 103, No. 109)

LOCATION: Lat. 53° 39′ Long. 132° 16′ (103F/9W)
SKEENA M.D. The claims lie on a body of land between Ferguson Bay and Cowhoe Bay.
CLAIMS: DAY 1 and 2 (20 units each), DAY 3 to 5 (15 units each), DAY 6 (16 units), DAY 7 and 8 (20 units each).
OWNER: HUNT SILVER EXPLORATION CORP., 1830, 700 West Georgia Street, Vancouver V7Y 1C3.
DESCRIPTION: The area is underlain by sandstone, shale, conglomerate, peat, and lignite of the Early Tertiary Skonun Formation and the overlying basaltic lava, tuff, and agglomerate of the Tertiary Masset Formation.
WORK DONE: Linecutting, 111.5 kilometres; and geochemical survey, 1652 soil samples taken, 590 assayed for gold, on all claims.
REFERENCE: Assessment Report 8887.

INCONSPICUOUS (Fig. E-1, NTS 103, No. 41)

LOCATION: Lat. 53° 58′ Long. 133° 00′ (103F/15W, 14E)
SKEENA M.D. Approximately 9 kilometres northeast from Morgan Point, with Hana Koot Creek flowing through the property.

CLAIMS: INCONSPICUOUS 1 (15 units), INCONSPICUOUS 2 (6 units), INCONSPICUOUS 3 (8 units), INCONSPICUOUS 4 (20 units), INCONSPICUOUS 5 (15 units).

OWNER: G. G. RICHARDS, 6195 Lynas Lane, Richmond V4K 3K4.

DESCRIPTION: The claims are underlain by sandstones and shales of the Cretaceous Haida Formation and intermediate to acid Tertiary Masset Formation volcanic rocks. Intrusive plugs, necks, sills, and dykes intrude the Cretaceous and in part the Tertiary. Two rock types mapped as plugs are a fine-grained diorite and a feldspar porphyry having an aphanitic matrix.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 400 soil, 100 silt, and 130 rock samples analysed for gold and arsenic, on Inconspicuous 4-5.

REFERENCE: Assessment Report 9028.

PACKERSBACK (Fig. E-1, NTS 103, No. 70)

LOCATION: Lat. 54° 00′ Long. 132° 55′ (103F/15W, 103K/2W)
SKEENA M.D. Forty-six kilometres west of Masset, approximately 6 kilometres west-northwest of the mouth of Jalun River and Jalun Lake (Beresford Creek flows through the eastern part of the property).

CLAIMS: PACKERSBACK 1 and 2 (20 units each), PACKERSBACK 3 (10 units), PACKERSBACK 4 (20 units).

OWNER: G. G. Richards.

OPERATOR: VENTURES WEST MINERALS LTD., 619, 475 Howe Street, Vancouver.

DESCRIPTION: The claims are underlain by thick-bedded argillites, siltstones, tuffs, and argillaceous tuffs, dipping gently westward, of the Maude Formation. Above 365 metres tuffaceous sedimentary rocks are abundant. Dykes, plugs, and sills of the Tertiary Masset Formation cut the sedimentary rocks. A small dyke-like body is exposed in the southwest corner and a grey diorite outcrops at an elevation of 615 metres.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 30 silt, 90 rock, and 225 soil samples analysed for gold and arsenic, on all claims.

REFERENCE: Assessment Report 9109.

DOUGLAS CHANNEL 103H and part of G

MOLY (Fig. E-1, NTS 103, No. 110)

LOCATION: Lat. 53° 05′ Long. 131° 44′ (103G/4E)
SKEENA M.D. Approximately 11.2 kilometres east of Skidegate Lake and the mouth of Copper Creek.

CLAIM: MOLY 2 (18 units).

OWNER: OLIVER RESOURCES LTD., Box 35, Oliver.

DESCRIPTION: The Moly 2 is underlain by volcanic rocks of the Yakoun Formation.

WORK DONE: Linecutting, 50 kilometres and geochemical survey, 961 soil samples analysed for copper and mercury, covering Moly 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 323 (Bella, Marina); Assessment Reports 5000, 5333, 5431, 8855.

AERO (Fig. E-1, NTS 103, No. 43)

LOCATION: Lat. 53° 04′ Long. 131° 55′ (103G/4W)
SKEENA M.D. North shore of Cumshewa Inlet, Moresby Island, extending from Davey Islets on the west to Conglomerate Point on the east.

CLAIMS: AERO 1 to 7 (totalling 116 units).

OWNER: G. Richards.

OPERATOR: CHEVRON STANDARD LTD., 901, 355 Burrard Street, Vancouver.

DESCRIPTION: Very sparse outcrops of conglomerate and sandstone indicate porphyry is underlain by Honna and Haida Formations. An arsenic-bearing quartz-carbonate fault zone was found but its extent is not known.

WORK DONE: Surface geological mapping, 1:2500 and geochemical survey, 436 soil and 32 rock samples analysed for gold, arsenic, and mercury, covering Aero 2, 3, 5.

REFERENCE: Assessment Report 8367.

SKID, AGATE (Fig. E-1, NTS 103, No. 13)

LOCATION: Lat. 53° 08′ Long. 132° 00′ (103F/1E; 103G/4W)
Report on this property in 103F/1E.

POOLE (Fig. E-1, NTS 103, No. 111)

LOCATION: Lat. 53° 11′ Long. 131° 54′ (103G/4W)
SKEENA M.D. Approximately 8 kilometres southwest from Cape Chroustcheff, with Haans Creek flowing through the property.

CLAIMS: POOLE 1 to 4 (totalling 52 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The claims are underlain predominantly by Cretaceous Honna Formation of granite pebble conglomerate, arkosic grits, and minor shale. The eastern portion is underlain by Haida Formation sandstone, shale, and siltstone. The rocks dip gently to the northeast.

WORK DONE: Linecutting, 16.1 kilometres and geochemical survey, 270 soil samples analysed for gold and arsenic, covering Poole 1-4.

REFERENCE: Assessment Report 8848.

COPPER BAY, IXL (Fig. E-1, NTS 103, No. 42)

LOCATION: Lat. 53° 12′ Long. 131° 42′ (103G/4W)
SKEENA M.D. The claims lie 1 kilometre south of Sandspit, being bordered on the east by Hecate Strait.

CLAIMS: SNOW 1 to 5 (totalling 92 claims).

OWNER: FALCONBRIDGE NICKEL MINES LTD., 6415 – 64th Street, Delta V4K 4E2.

METALS: Copper, (gold, silver, molybdenum, lead, zinc, barite).

DESCRIPTION: The area of the Snow claims is along the northwest-trending Sandspit fault. Westerly trending subsidiary faults, for example, occur throughout. Underlying rocks are porphyritic andesite and silicified tuff of the Yakoun Formation. Silicified tuff occurs predominantly along the fault and may contain up to 5 per cent disseminated pyrite. A Cretaceous/Tertiary non-mineralized diorite/quartz diorite pluton intrudes the Yakoun. Mineralization is pyritiferous fault gouge with minor arsenopyrite.

WORK DONE: Linecutting, 6.17 kilometres; 8 trenches 35 metres in length; and geochemical survey, 286 soil and 9 silt samples analysed for gold, arsenic, and mercury, 3 rock samples analysed for arsenic and silver, and 3 assays for gold and silver, covering Snow 2 and 5.

REFERENCES: Mineral Inventory 103F–G-9, 33; *Minister of Mines, B.C.*, Ann. Rept., 1907, pp. 59, 71; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM 1970, p. 100; Exploration in B.C., 1979, p. 251; Assessment Reports 2777, 7684, 7805, 7890, 8958.

SOUTHEASTER (Fig. E-1, NTS 103, No. 104)

LOCATION: Lat. 53° 15′ Long. 132° 00′ (103F/8E; 103G/5W)

Report on this property in 103F/8E.

MILLER (Fig. E-1, NTS 103, No. 112)

LOCATION: Lat. 53° 21.5′ Long. 131° 59′ (103G/5W)

SKEENA M.D. The claim lies on the east coast of Graham Island, 3 kilometres west of Dead Tree Point.

CLAIM: MILLER (20 units).

OWNER: TEXASGULF CANADA LTD., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

DESCRIPTION: The claim straddles the northwest-trending Sandspit fault which marks the contact between a Cretaceous granodiorite stock to the southwest and Skohun Formation sedimentary rocks to the northeast. The granodiorite is classified as post-tectonic. Outcrops on the property are scarce and little is known of its geology.

WORK DONE: Geochemical survey, 21 silt samples analysed for gold, silver, arsenic, and mercury and 21 rock samples analysed for gold, silver, and arsenic, covering Miller.

REFERENCE: Assessment Report 9013.

BANKS (Fig. E-1, NTS 103, No. 113)

LOCATION: Lat. 53° 20′ Long. 130° 03.5′ (103G/8E)

SKEENA M.D. The claims overlie Waller Lakes, on Banks Island.

CLAIMS: BANKS 7 to 10 (totalling 72 units).

OWNERS: R. R. Dion and Black Diamond Resources Ltd.

OPERATOR: TEAM MINERALS SERVICES LTD., 1274 – 56th Street, Delta V4L 2A4.

DESCRIPTION: The property is underlain by quartz monzonite, granodiorite, and a band of limestone striking northwest along the south shore of Waller Lake. Minor pyrite occurs in the limestone.

WORK DONE: Geochemical survey, 160 soil samples analysed for copper, lead, zinc, gold, silver, and arsenic, covering all claims.

REFERENCE: Assessment Report 8978.

GREAT WEST, MARBLE, BAN (Fig. E-1, NTS 103, No. 44)

LOCATION: Lat. 53° 34' Long. 130° 16.5' (103G/9W)
SKEENA M.D. On the east coast of Banks Island, facing Principe Channel and touching on Marble Bay approximately 6 kilometres south of Keyarka Cove.

CLAIM: EDD (6 units).

OWNER: P. E. Page.

OPERATOR: SEYMOUR RESOURCES INC., 1010, 475 Howe Street, Vancouver V6C 2B3.

METALS: (Molybdenum, copper).

DESCRIPTION: The Prince Rupert limestone is intruded by quartz diorite of the Coast Range batholith. A skarn zone along the contact contains sporadic molybdenite-chalcopyrite mineralization.

WORK DONE: Linecutting, 14 kilometres; ground magnetometer and ground electromagnetic surveys, 13.8 kilometres each; geochemical survey, 264 soil samples analysed for silver, copper, molybdenum; diamond drilling, 4 BQ holes totalling 412.7 metres, on Edd.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1920, p. 38; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 498; Assessment Reports 3465, 8463; Mineral Inventory 103H–G-6.

GIBSON GIRL, WILD GOOSE (Fig. E-1, NTS 103, No. 135)

LOCATION: Lat. 53° 55.7' Long. 130° 09' (103G/16E)
SKEENA M.D. On Gibson Island, approximately 40 kilometres southwest of Prince Rupert.

CLAIMS: GIBSON GIRL (Lot 2962), BILL HOY (Lot 2963), GEORGE KEYS (Lot 2964), OLD TIMER (Lot 2965), LAURA HALL (Lot 2966), STOTT (Lot 2967), plus GIB (20 units).

OWNER: DIMAC RESOURCE CORP., 701, 744 West Hastings Street, Vancouver V6C 1A5.

METALS: Zinc, copper, lead.

DESCRIPTION: The property is underlain by a north-northwesterly trending steep to vertical-dipping section of metasedimentary and metavolcanic rocks. Lenses of crystalline limestone are interbedded with schists. Along one schist-limestone contact the limestone is altered to quartz with minor epidote and garnet. A sulphide assemblage of sphalerite, chalcopyrite, galena, and pyrrhotite is associated with this zone.

WORK DONE: Surface geological mapping, 1:10 000 and 1:500; 33 samples collected, covering Gib.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1952, p. 79; Assessment Report 9997; Mineral Inventory 103H–G-2.

HUNTER (Fig. E-1, NTS 103, No. 45)

LOCATION: Lat. 53° 12' Long. 128° 23' (103H/1W)
SKEENA M.D. Fifteen kilometres east of Butedale, 2 kilometres northeast of Head Lake on the Khutze River.

CLAIMS: JUBILEE 1 to 8, RUBY 1 to 7, JAY, BEE.

OWNER: M. Meldrum.

(103I/1E)

OPERATOR: DEJOUR MINES LTD., 2302, 401 Bay Street, Toronto, Ontario M5H 2Y4.
METALS: Gold, (silver, copper).
DESCRIPTION: Auriferous quartz-pyrite veins cut strongly foliated amphibolite inclusions near the roof of a Jurassic Coast Range quartz diorite batholith. The veins are fracture and fault fillings and range in size from a few centimetres to 45 centimetres wide. Pyrite, which comprises up to 50 per cent of the veins, occurs as blebs, patches, disseminations, and locally as large (5 to 10-centimetre) cubes. Gold is associated with pyrite and is present in the native state and as sylvanite.
WORK DONE: Geological mapping, 1:240, 1:60, on Jubilee 1 and 8; trenching, 6 trenches, totalling 60 metres; and underground work, on Jubilee 1; resampling of adit, on Jubilee 8.
REFERENCES: Mineral Inventory 103H–G-34; *Minister of Mines, B.C.*, Ann. Rept., 1940, p. 53; 1941; p. 55; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 1 (old series), 1932, pp. 34-37.

PRINCE RUPERT – TERRACE 103I and part of 103J

HALF VAST (Fig. E-1, NTS 103, No. 46)

LOCATION: Lat. 54° 05′ Long. 128° 12′ (103I/1E)
SKEENA M.D. Twenty-eight kilometres east-northeast of Kitimat, between Hirsch Creek and Kitimat River.
CLAIMS: HALF VAST 1 to 4 (44 units).
OWNER: K. W. Livingstone.
OPERATOR: PRISM RESOURCES LTD., Third Floor, 744 West Hastings Street, Vancouver V6C 1A5.
METAL: (Molybdenum).
DESCRIPTION: The claims are located along the eastern margin of the Coast Range intrusive complex. A quartz monzonite stock and related aplite dykes intrude altered quartz diorite. The quartz monzonite locally contains disseminated molybdenite and a wide-spaced nearby mineralized quartz vein system. Pyrite and molybdenite occur in several sets of quartz veins and fractures in the quartz diorite.
WORK DONE: 1979 – geological mapping, 1:2500; and geochemical surveys, 199 soil samples analysed for molybdenum and 36 rock and 15 silt samples analysed for molybdenum, tungsten, and fluorite, on Half Vast 3; 1980 – geological mapping, 1:2500; test pits, 10 pits, totalling 15 metres; and geochemical survey, 12 soil samples analysed for molybdenum, all on Half Vast 1.
REFERENCE: Assessment Report 8558.

KITIMAT RIVER (Fig. E-1, NTS 103, No. 114)

LOCATION: Lat. 54° 08′ Long. 128° 12′ (103I/1E)
SKEENA M.D. The Mat claims lie 48 kilometres southeast of Terrace, covering three easterly flowing tributaries in the Upper Kitimat River valley.
CLAIMS: MAT 1 and 2 (20 units each).
OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.
METAL: (Molybdenum).

DESCRIPTION: Hazelton Group (?) greenstones are intruded by pyritic, light-coloured biotite granite and younger porphyritic quartz monzonite dykes, andesite dykes, and pyrite quartz-eye porphyry dykes. Sparse molybdenite occurs in the quartz-eye porphyry and quartz vein stockwork.
WORK DONE: 1979 – geochemical survey, 134 soil and 26 rock samples analysed for multi-elements, on both claims.
REFERENCES: Mineral Inventory 103I–J-103; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 52; Assessment Reports 818, 819, 1000, 7928.

SNAKE (Fig. E-1, NTS 103, No. 47)

LOCATION: Lat. 54° 10′ Long. 128° 07′ (103I/1E)
SKEENA M.D. Thirty kilometres east of Kitimat and north of Mount Davies and Davies glacier.
CLAIM: SNAKE (9 units).
OWNER: Noranda Mines Ltd.
OPERATOR: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.
WORK DONE: Geochemical survey, 4 soil, 5 rock, and 8 silt samples analysed for multi-elements, on Snake.
REFERENCE: Assessment Report 8231.

HOULT (Fig. E-1, NTS 103, No. 48)

LOCATION: Lat. 54° 13′ Long. 128° 04′ (103I/1E)
SKEENA M.D. Fifty kilometres southeast of Terrace, immediately north of Hoult Creek, a tributary of the Kitimat River.
CLAIM: HOULT (20 units).
OWNER: CANADIAN NICKEL CO. LTD., 160, 10451 Shellbridge Way, Richmond.
METALS: (Molybdenum, copper).
DESCRIPTION: The claim is situated on a contact zone between Hazelton Group metavolcanic hornfels and the Coast Mountain granitic intrusive rocks. Widespread minor molybdenite, chalcopyrite, and pyrite occur in quartz veinlets, pegmatites, and chlorite-epidote-filled fractures. The mineralization is truncated by faults and mafic dykes.
WORK DONE: Linecutting, 6.5 kilometres; and geochemical survey, 148 soil, 45 rock, and 45 silt samples analysed for molybdenum, copper, and some for multi-elements.
REFERENCE: Assessment Report 8205.

HUMP (Fig. E-1, NTS 103, No. 115)

LOCATION: Lat. 54° 10′ Long. 128° 25′ (103I/1W)
SKEENA M.D. Approximately 9.5 kilometres south-southeast of the branch of both McKay and Bolton Creeks, off the Kitimat River.
CLAIMS: HUMP 1 (12 units), HUMP 2 (18 units).
OWNER: Duval Mining Ltd.
OPERATOR: DUVAL INTERNATIONAL CORP., 844 West Hastings Street, Vancouver V6C 1C8.
DESCRIPTION: The Hump claims are underlain by fresh to weakly altered quartz monzonite. Andesite, aplite, and diorite dykes cut the quartz monzonite. Molybdenite occurs in quartz-magnetite and quartz-pyrite veins and disseminated in the

quartz monzonite. Minor potash feldspar, pyrite, and magnetite are associated with the molybdenite as alterations.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 73 soil, 18 silt, and 24 rock samples analysed for copper, zinc, molybdenum, and tungsten, on both claims.

REFERENCE: Assessment Report 8938.

BOLT (Fig. E-1, NTS 103, No. 49)

LOCATION: Lat. 54° 11′ Long. 128° 26′ (103I/1W)
SKEENA M.D. The property is situated approximately 38 kilometres southeast of Terrace and 7 kilometres south of the Kitimat River, just west of Bolton Creek.

CLAIM: BOLT (20 units).

OWNER: CANADIAN NICKEL CO. LTD., 160, 10451 Shellbridge Way, Richmond.

DESCRIPTION: The property is underlain by a uniform white granodiorite of Upper Cretaceous age. Reconnaissance sampling indicates local variations. Veins of milky quartz carry disseminated chalcopyrite and molybdenite associated with pyrite.

WORK DONE: Geochemical survey, 17 silt, 1 soil, and 14 rock samples analysed for copper and molybdenum, on Bolt.

REFERENCE: Assessment Report 8578.

SCOTIA (Fig. E-1, NTS 103, No. 50)

LOCATION: Lat. 54° 05′ Long. 129° 40′ (103I/4E)
SKEENA M.D. Approximately 11 kilometres southwest of the junction of Ktada and Skeena Rivers at the eastern headwaters of Ayton Creek.

CLAIMS: SCOTIA 1 (10 units), SCOTIA 2 (6 units), ALBERE 1 to 4 (1 unit each).

OWNER: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver.

METALS: Zinc, lead.

DESCRIPTION: The Scotia prospect is a zinc-rich massive sulphide deposit within pyritic felsic gneisses. Mineralization consists of sphalerite, galena, pyrite, and traces of chalcopyrite.

WORK DONE: Surface diamond drilling, 5 BQ holes totalling 960 metres, on Albere 2.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1960, p. 12; Assessment Report 9302; Mineral Inventory 103I J-7.

BUM (Fig. E-1, NTS 103, No. 52)

LOCATION: Lat. 54° 24′ Long. 128° 28′ (103I/8W)
SKEENA M.D. East of Lakelse Lake on the south side of Furlong Creek, approximately 14 kilometres southeast of Terrace.

CLAIMS: BUM 1 to 6 (1 unit each).

OWNER: PETER L. OGRYZLO, Box 22, Topley Landing V0J 1W0.

DESCRIPTION: The area is underlain by granodiorite and quartz diorite with numerous basalt dykes.

WORK DONE: 1979 and 1980 – geochemical survey, 33 soil samples analysed for molybdenum and copper, covering Bum 1-4.

REFERENCE: Assessment Report 8362.

ZYM (Fig. E-1, NTS 103, No. 51)

LOCATION: Lat. 54° 27' Long. 128° 08' (103I/8E)
OMINECA M.D. Thirty-four kilometres east of Terrace, 6 kilometres west of the junction of Zymoetz River and Clore River.

CLAIMS: GOBLIN 1 to 8, GOBLIN Fraction, RICK, TIM, ANN, TARA, KELLY, KELLY 1 to 6.

OWNERS: Cathedral Minerals Ltd. and Invex Resources Ltd.

OPERATOR: KELLY CREEK JOINT VENTURES, 709, 744 West Hastings Street, Vancouver V6C 1A9.

METALS: Copper, silver, molybdenum, gold.

DESCRIPTION: Hazelton Group volcanic rocks are intruded by an elliptical stock of quartz diorite plus granodiorite on the west limb of an antiform. Sill-like bodies of andesitic feldspar porphyry intrude the axial region of the fold. Upper showing has rhyolite tuffs and breccias, intensely fractured with blebs and stringers of bornite, chalcopyrite, plus disseminated bornite in late rhyolitic dykes.

WORK DONE: Surface geological mapping, 1:2500, covering all claims; surface diamond drilling, 4 BQ holes totalling 365 metres and underground diamond drilling, 10 AQ holes totalling 519 metres, on Rick and Kelly 2; soil sampling, 700 metres at 25-metre spacing.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 78; 1970, pp. 189-193; 1971, p. 113; Assessment Reports 2394, 8559; Mineral Inventory 103I–J-92.

ALVIJA, LUCKY JIM (Fig. E-1, NTS 103, No. 136)

LOCATION: Lat. 54° 34' Long. 128° 13' (103I/9E)
OMINECA M.D. Northeast of Terrace, approximately 2 kilometres due west of the Kleanza Creek/Kipulta Creek junction; the claims lie on both sides of Kleanza Creek.

CLAIMS: JT 1 to 6 (1 unit each).

OWNER: J. TOUGH, General Delivery, Squamish V9N 3G0.

DESCRIPTION: The claim is occasionally underlain by porphyritic grey andesites, often amygdaloidal, and purple-red amygdaloidal andesites. Faulting is generally intense.

WORK DONE: Geochemical survey, 58 soil, 9 silt, and 4 rock samples analysed for copper and silver, covering JT.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 82; 1970, p. 193; Assessment Report 9914; Mineral Inventory 103I–J-85.

ZONA MAY (Fig. E-1, NTS 103, No. 87)

LOCATION: Lat. 54° 38' Long. 128° 08' (103I/9E)
OMINECA M.D. Twenty-one kilometres west-northwest of Kitselas, 6 kilometres north-northwest of Kleanza Creek and North Kleanza Creek junction.

CLAIMS: ZONA I and II (6 units each).

OWNER: WINSTON LODGE, 6918 – 150th Street, Surrey.

DESCRIPTION: The property is underlain by porphyritic pyroxene granodiorite of the Upper Cretaceous or later Coast Intrusions. A band mapped as adamellite granophyre 100 to 500 metres wide crosses the boundary between Zona I and Zone II on a northeast trend. The plutonic rocks are cut by dykes of aplite, lamprophyre, and basalt.

WORK DONE: Surface geological mapping, 1:5000; 8 rock samples assayed for per cent per ounce copper, lead, zinc, silver, and gold and 2 samples assayed for ppm copper, lead, silver and ppb gold, covering both claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1928, p. C147; Assessment Report 8777; Mineral Inventory 103I–J-60.

ANNETTE (Fig. E-1, NTS 103, No. 54)

LOCATION: Lat. 54° 34′ Long. 128° 17′ (103I/9W)
OMINECA M.D. Twenty-five kilometres east of Terrace, on Kleanza Creek between Kendal Creek and Mike Creek.

CLAIMS: ANNETTE 1 to 13.

OWNER: J. ISIMA, Box 1525, Banff, Alberta T0L 0C0.

METAL: Titanium.

DESCRIPTION: Titanium, as anatase and rutile, occurs in sands and underlying fractured bedrock.

WORK DONE: Ground magnetometer survey, covering Annette 5-8.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. 163; 1977, p. 208; 1978, p. 235; Assessment Reports 5962, 6533; Mineral Inventory 103I–J-175, 176.

KDL (Fig. E-1, NTS 103, No. 118)

LOCATION: Lat. 54° 34′ Long. 128° 19′ (103I/9W)
OMINECA M.D. Twenty kilometres west-northwest of Terrace, at junction of Kleanza and Kendal Creeks (claims straddle Kendal Creek), which flow westward to Skeena River.

CLAIMS: HOOK (10 units), SLICE (20 units).

OWNER: K. W. Livingstone.

OPERATORS: PRISM RESOURCES LTD., 601, 409 Granville Street, Vancouver and JMT SERVICES CORP., 8827 Hudson Street, Vancouver.

METALS: (Copper, molybdenum).

DESCRIPTION: Hazelton andesite is intruded by a small granodiorite stock and quartz porphyry dykes. Chalcopyrite, molybdenite, and pyrite haloes occur in volcanic rocks adjacent to the intrusive rocks.

WORK DONE: 1979 – geochemical survey, 90 soil samples analysed for copper, zinc, and molybdenum, covering Hook and Slice.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 194; 1971, p. 114; 1972, p. 501; Assessment Reports 829, 2324, 4275, 8221; Mineral Inventory 103I–J-83.

BLOW (Fig. E-1, NTS 103, No. 117)

LOCATION: Lat. 54° 36′ Long. 128° 26.5 (103I/9W)
OMINECA M.D. Five kilometres south-southwest of the community of Usk, on the west side of the Skeena River 1 kilometre east of Hankin Creek.

CLAIM: BLOW.

OWNER: T. RICHARDS, RR 1, Kispiox Road, Hazelton.

METALS: (Copper, molybdenum).

DESCRIPTION: Very limited outcrops on the property consist of greenstones, siliceous rhyolite, and pyritic granitic rocks including a few quartz veins with minor molybdenite and chalcopyrite.

WORK DONE: 1979 – prospecting (geological mapping, 1:4000), covering Blow.

REFERENCE: Assessment Report 8465.

KOKANEE, DIADEM, NICHOLSON CREEK (Fig. E-1, NTS 103, No. 53)

LOCATION: Lat. 54° 41′ Long. 128° 26′ (103I/9W)
OMINECA M.D. Twenty kilometres north-northwest of Terrace and 4 kilometres north of Usk, extending north and south of Shannon Creek.

CLAIMS: SAK 1 to 3 (1 unit each), SAK 4 (6 units), SAK 5 (5 units), SAK 6 (6 units), SAK 7 (8 units), SHAN 1 (12 units), SHAN 2 (18 units).

OWNERS: D. Young and P. Ogryzlo.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Molybdenum, silver, copper, gold, tungsten.

DESCRIPTION: The claims are underlain by Triassic rhyolites, porphyritic flows, and minor basalt intruded by Coast Range quartz diorite ranging in texture from inequigranular to porphyritic. Alteration of all rocks is limited. The volcanic rocks are hornfelsed and slightly schistose; the diorite locally is highly silicified and sericitized.

WORK DONE: 1979 – Surface diamond drilling, 1 BQ hole totalling 969 metres, on Sak 2; surface geological mapping, 1:10 000 and 1:1000 (in part); geochemical survey, 618 soil and 10 silt samples analysed for copper, molybdenum, lead, zinc, and silver and 27 rock samples analysed for molybdenum, fluorine, copper, lead, zinc, manganese, strontium, and rubidium; induced polarization survey, 0.75 kilometre, covering all claims; 1980 – linecutting, 5.9 kilometres; ground magnetometer survey, 5.9 kilometres; induced polarization survey, 3.7 kilometres, covering Sak 1-3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E163; 1979, p. 253; Assessment Reports 4298, 5722, 6032, 7179, 7932, 8592; Mineral Inventory 103I–J-41 to 43, 114.

JB (Fig. E-1, NTS 103, No. 116)

LOCATION: Lat. 54° 43′ Long. 128° 19′ (103I/9W)
SKEENA and OMINECA M.D. Twenty-seven kilometres northeast of Terrace and 1.5 kilometres west of the Canadian National Railway and Highway 16, encompassing the lower drainage systems of Sand and Carpenter Creeks.

CLAIMS: THE PIT I to THE PIT IV (39 units).

OWNER: K. W. Livingstone.

OPERATORS: 1979 – E&B EXPLORATONS LTD., 2900 Cascade Building, 300 Fifth Avenue SW, Calgary, Alberta T2P 3C4; 1980 – PRISM RESOURCES LTD., 3rd Floor, 744 West Hastings Street, Vancouver V6C 1A5.

METAL: Molybdenum.

DESCRIPTION: Pyrite and molybdenite with minor chalcopyrite, magnetite, and specularite occur in fractures, in quartz veins, and as disseminations within contact zones of volcanic and sedimentary rocks of the Hazelton Group and Coast intrusive rocks.

WORK DONE: 1979 – surface diamond drilling, 4 NQ holes totalling 615.1 metres, on The Pit IV; 1980 – surface geological mapping, 1:5000 and geochemical survey, 210 soil samples analysed for molybdenum, covering The Pit I and IV.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1959, p. 15; 1964, p. 47; 1965, p. 70; Assessment Report 7893; Mineral Inventory 103I–J-46.

MISTY (Fig. E-1, NTS 103, No. 55)

LOCATION: Lat. 54° 45′ Long. 128° 54′ (103I/10W, 15W)
SKEENA M.D. Thirty-five kilometres north-northwest of Terrace, north of the Nelson River at Mount Allard.

CLAIM: MISTY (totalling 15 units).

OWNER: CCH Minerals Ltd.

OPERATOR: CAMPBELL RESOURCES INC., A-105, 355 Burrard Street, Vancouver V6C 2G6.

DESCRIPTION: Bowser Lake Group (Upper Jurassic/Lower Cretaceous) rocks are intruded by (Upper Cretaceous or later) Coast intrusions. Quartz veins containing pyrite are present in the sedimentary/metasedimentary rocks of the Bowser Lake Group in the eastern part of the mapped area.

WORK DONE: Linecutting, 13 kilometres; surface geological mapping, 1:5000; geochemical survey, 221 soil samples analysed for copper, lead, zinc, silver, arsenic, and gold, covering Misty.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 253, 254; Assessment Reports 8201, 9239.

QUOT (Fig. E-1, NTS 103, No. 56)

LOCATION: Lat. 54° 33′ Long. 129° 58′ (103I/12W)
SKEENA M.D. Approximately 5.8 kilometres south-southwest of Khutzeymateen Inlet and mouth of Larch Creek.

CLAIMS: QUOT 1 (20 units), QUOT 2 (20 units), QUOT 3 (15 units), QUOT 4 (10 units).

OWNER: Duval Mining Ltd.

OPERATOR: DUVAL INTERNATIONAL CORP., 844 West Hastings Street, Vancouver V6C 1C8.

DESCRIPTION: The property is underlain by a metasedimentary sequence divided into three broad units: meta-arkose and siltstone, meta-arkose and wacke, and metashales and siltstones. Broad, large-scale folds are common and faulting, although not directly observed, is considered to be significant. Whole sequence is cut by biotite quartz monzonite dykes.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 57 soil samples analysed for copper, zinc, molybdenum, and tungsten, 117 analysed for copper, molybdenum, zinc, silver, and nickel, 69 analysed for copper, zinc, molybdenum, silver, and fluorine; 18 rock samples analysed for copper, zinc, molybdenum, and tungsten, 7 analysed for copper, molybdenum, zinc, silver, and nickel, 4 analysed for copper, zinc, molybdenum, silver, and fluorine; and 22 silt samples analysed for copper, zinc, molybdenum, and silver, 8 analysed for copper, zinc, molybdenum, silver, and nickel, 9 analysed for copper, zinc, molybdenum, silver, nickel and fluorine, and 5 analysed for copper, zinc, molybdenum, silver, nickel, fluorine, and tungsten, covering Quot 1-4.

REFERENCE: Assessment Report 8868.

TITLEIST (Fig. E-1, NTS 103, No. 119)

LOCATION: Lat. 54° 37.5′ Long. 129° 54′ (103I/12W)
SKEENA M.D. Approximately 45 kilometres northeast of Prince Rupert, covering the mouth of Khutzeymateen River as it enters Khutzeymateen Inlet.

CLAIMS: TITLEIST 1 (2 units), TITLEIST 2 (20 units).

OWNER: K. W. Livingstone.

OPERATOR: PRISM RESOURCES LTD., 601, 409 Granville Street, Vancouver.

DESCRIPTION: The underlying rocks are Coast Range hornblende-biotite gneiss, quartz-muscovite schist, and orthoquartzite. Minor molybdenite is disseminated in the quartz-muscovite schist.

WORK DONE: 1979 – geochemical survey, 59 soil and 15 rock samples analysed for molybdenum, covering Titleist 1.

REFERENCE: Assessment Report 8690.

HEPLER (Fig. E-1, NTS 103, No. 57)

LOCATION: Lat. 54° 51′ Long. 129° 13′ (103I/14E)
SKEENA M.D. Fifty-three kilometres northwest of Terrace, straddling Kitsumkalum River, 28 kilometres upstream from its confluence with Kitsumkalum Lake.

CLAIM: HEPLER 1 (20 units).

OWNER: A.R.C. Potter.

OPERATOR: SILVER STANDARD MINES LTD., 904, 1199 West Hastings Street, Vancouver.

DESCRIPTION: The claim is predominantly underlain by rocks of the Coast Plutonic Complex. A major east-northeast/west-northwest-trending contact separates granodiorite of the Upper Mesozoic/Tertiary (?) Ponder pluton from Jurassic/Cretaceous sedimentary rocks of the Cretaceous Bowser Group on the south.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 96 soil and 7 rock samples analysed for gold and silver, covering Hepler 1.

REFERENCE: Assessment Report 8406.

WEDGE (Fig. E-1, NTS 103, No. 61)

LOCATION: Lat. 54° 51.5′ Long. 129° 09.8′ (103I/14E)
SKEENA M.D. Approximately 10 kilometres south-southwest of Mount Poupard, with Kitsumkalum River running 500 metres south of the property.

CLAIMS: WEDGE 7 (1 unit), WEDGE 8 (1 unit).

OWNER: G. Richards.

OPERATOR: PRISM RESOURCES LTD., 601, 409 Granville Street, Vancouver.

DESCRIPTION: The property is underlain by biotite quartz monzonite of the Alice Arm intrusions, intrusive into fine-grained biotite hornfels and cut by biotite feldspar porphyry. Sulphides observed were confined to pyrite; some quartz veining was seen.

WORK DONE: 1979 and 1980 – prospecting: geological mapping, 1:10 000; geochemical survey, 26 soil samples analysed for molybdenum, lead, zinc, and manganese, covering Wedge 7 and 8.

REFERENCE: Assessment Report 8643.

PORTLAND (Fig. E-1, NTS 103, No. 84)

LOCATION: Lat. 54° 45′ Long. 128° 49′ (103I/15W, 10W)
SKEENA M.D. Thirty kilometres north-northwest of Terrace, on the west shore of Kitsumkalum Lake, just east of Mount Allard.
CLAIMS: BAV 1 to 4.
OWNERS: RICHARD H. BATES and JOHN APOLCZER, Box 580, Terrace V8G 4B5.
METALS: Silver, tungsten, copper, molybdenum, (gold).
DESCRIPTION: Drilling intersected granodiorite cut by quartz veins containing minor pyrite, hematite, malachite, scheelite, molybdenite, epidote, and chlorite.
WORK DONE: 1979 – diamond drilling, 1 AQ hole, totalling 114 metres, and sampling, 10 samples taken, on Bav 1.
REFERENCES: Mineral Inventory 103I–J-19; *Minister of Mines, B.C.*, Ann. Rept., 1925, p. 69; 1927, p. 63; 1930, p. 74; *Geol. Surv., Canada*, Mem. 329, p. 75; Mem. 205, p. 15; Assessment Report 8299.

ORO (Fig. E-1, NTS 103, No. 62)

LOCATION: Lat. 54° 48′ Long. 128° 56.5′ (103I/15W)
SKEENA M.D. Approximately 9.5 kilometres west of where the Kitsumkalum River meets Kitsumkalum Lake; the claim lies on the northern bank of Mayo Creek.
CLAIM: UBIQUE.
OWNER: D. YOUNG, Box 465, Granisle V0J 1W0.
METALS: Gold, silver, lead, zinc.
DESCRIPTION: The property is underlain by greyish, coarse-grained granodiorite. A northwest-trending fault system is marked by highly altered rocks, limonite-stained side slopes, and quartz blebs and stringers. Minor pyrite and galena were seen.
REFERENCES: Mineral Inventory 103I–J-174; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 96; Assessment Report 8523.

NOBLE (Fig. E-1, NTS 103, No. 60)

LOCATION: Lat. 54° 48′ Long. 128° 58′ (103I/15W)
SKEENA M.D. Approximately 50 kilometres north-northwest of Terrace, straddling the ridge between Mayo Creek and Kitsumkalum River, approximately 6 kilometres northwest of Mount Allard.
CLAIMS: CHRIS 1 to 4.
OWNER: D. H. James.
OPERATOR: PRISM RESOURCES LTD., Third Floor, 744 West Hastings Street, Vancouver V6C 1A5.
METALS: Gold, silver.
DESCRIPTION: Quartz vein with pyrite, galena, arsenopyrite, and chalcopyrite cutting Upper Jurassic/Lower Cretaceous siltstones, greywackes, and conglomerates.
WORK DONE: Geological mapping, 1:100; and geochemical survey, 9 rock samples analysed for gold, on Chris 4.
REFERENCES: Mineral Inventory 103I–J-173; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 96; Assessment Report 8393.

MACEX (Fig. E-1, NTS 103, No. 63)

LOCATION: Lat. 54° 53' Long. 128° 59' (103I/15W)
SKEENA M.D. Forty-seven kilometres north-northwest of Terrace, on and south of Little Cedar River.

CLAIMS: LC 1 to 4 (18 units).

OWNER: G. M. Tompson.

OPERATORS: MOLY SYNDICATE, Box 395, Smithers V0J 2N0 and AMAX MINERALS EXPLORATION LTD., 601, 525 Thurlow Street, Vancouver V6E 3L6.

METALS: Copper, molybdenum.

DESCRIPTION:

The oldest rocks in the area are siltstones and greywacke of the Bowser assemblage and are Late Triassic to Early Cretaceous in age; adjacent to intrusive rocks the siltstones are hornfelsed and silicified. Biotite is developed in the hornfels and fine-grained pyrite is disseminated throughout the rocks. Fractures in hornfels are commonly coated with limonite.

The Bowser sedimentary rocks are intruded by quartz monzonite porphyry which is believed to be Eocene in age.

Quartz monzonite porphyry is mineralized with pyrite, chalcopyrite, and molybdenite and is silicified and feldspathized. Molybdenite occurs with quartz veins and as disseminated grains in the porphyry. Chalcopyrite occurs with pyrite in quartz veins which are up to 5 centimetres wide. Ferrimolybdenite was observed in outcrops of quartz monzonite porphyry near the centre of the claims.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 191 soil samples and 101 rock samples analysed for molybdenum, copper, nickel, cobalt, manganese, iron, silver, lead, and zinc, on all claims.

REFERENCES: Mineral Inventory 103I–J-21; *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 69; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 71; Exploration in B.C., 1979, p. 255; Assessment Reports 2029, 7570, 8446.

SOUTH LORNE CREEK (Fig. E-1, NTS 103, No. 58)

LOCATION: Lat. 54° 51' Long. 128° 35' (103I/15E)
SKEENA M.D. Forty kilometres north of Terrace on the headwaters of South Lorne Creek.

CLAIMS: SLC 1 to 4 (8 units each).

OWNER: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3.

METALS: Molybdenum, copper.

DESCRIPTION: A large feldspar-hornblende porphyry stock and numerous peripheral dykes intrude argillites of the Bowser Group. Associated quartz veins contain molybdenite, chalcopyrite, and galena.

WORK DONE: Geological mapping, 1:2500; trenching, 9 hand trenches, 45 metres total length; and geochemical survey, 26 rock samples analysed for molybdenum, copper, silver, gold, tungsten, lead, and zinc, all on SLC 2.

REFERENCES: Mineral Inventory 103I–J-27; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 83; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 255; Assessment Report 8059.

BERMALINE (Fig. E-1, NTS 103, No. 59)

LOCATION: Lat. 54° 53′ Long. 128° 37′ (103I/15E)
OMINECA M.D. Approximately 40 kilometres north of Terrace near the headwaters of Douglas and Lorne Creeks, approximately 8 kilometres southeast of Mount Couture and 9 kilometres north of Maroon Mountain.

CLAIM: FRANKIE BLUE (20 units).

OWNER: T. Richards.

OPERATOR: FALCONBRIDGE NICKEL MINES LTD., 6415 – 64th Street, Delta.

METALS: (Molybdenum, lead, zinc).

DESCRIPTION: Medium to coarse-grained, equigranular granodiorite and quartz monzonite sill, dipping southeasterly, intrudes Bowser Group shales and greywacke. Scattered quartz veins with minor pyrite occur throughout the quartz monzonite. Two major quartz veins containing pyrite, sphalerite, and galena intrude the sedimentary rocks along apparent shear zones. Scattered flakes of molybdenite occur near a major fault zone.

WORK DONE: Geochemical survey, 13 silt samples analysed for copper, lead, zinc, molybdenum, silver, manganese, and fluorine, 11 water samples analysed for fluorine, and 24 rock samples analysed for molybdenum, manganese, and fluorine.

REFERENCES: Mineral Inventory 103I–J-26; Assessment Report 8315.

TWO GOAT (Fig. E-1, NTS 103, No. 64)

LOCATION: Lat. 54° 48′ Long. 128° 15′ (103I/16)
OMINECA M.D. Thirty-five kilometres north-northeast of Terrace, on the north side of Little Oliver Creek, 2 kilometres east of Highway No. 16.

CLAIM: TWO GOAT (4 units).

OWNER: T. RICHARDS, RR 1, Kispoix Valley, Hazelton.

METAL: (Copper).

DESCRIPTION: The property is underlain by interbedded felsic and mafic volcanic rocks. Malachite, chalcopyrite, and pyrite occur in numerous fracture zones.

WORK DONE: Geological mapping, 1:7000.

REFERENCE: Assessment Report 8133.

PADDY–MAC (Fig. E-1, NTS 103, No. 67)

LOCATION: Lat. 54° 46′ Long. 128° 23′ (103I/16W)
OMINECA M.D. Thirty-five kilometres northeast of Terrace, 8 kilometres south of Dorreen.

CLAIMS: PADDY–MAC 3 to 5, 7, TERRACE–BELL 1, 2, 3, and TERRACE–BELL 4 (2 units), WJ (3 units).

OWNER: J. M. McNULTY, 2965 Glen Lake Road, Victoria V9B 4B2.

WORK DONE: Prospecting.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 235.

LYNDA (Fig. E-1, NTS 103, No. 121)

LOCATION: Lat. 54° 46′ Long. 128° 26′ (103I/16W)
OMINECA M.D. Thirty kilometres north-northeast of Terrace, covering southeastern headwaters of Fiddler Creek.

CLAIMS: FLAT 1, 2 (4 units each), TIRE 1, 2 (4 units each), MUR 1, 2 (2 units), RENATA 1 (5 units), RENATA 2 (4 units).

OWNERS: D. YOUNG, Box 465, Granisle and P. OGRYZLO, Box 22, Topley Landing, Granisle.

METALS: Molybdenum, copper.

DESCRIPTION: Molybdenite and chalcopyrite occur in stockwork within granitic rocks (Coast Range Plutonic Complex) cutting volcanic and sedimentary rocks of the Hazelton Group.

WORK DONE: 1979 – geological mapping,1:2400; and sampling, 54 silt and rock samples taken on Flat 1, Tire 1, Mur 1 and 2.

REFERENCES: Mineral Inventory 103I–J-121; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 80; 1967, p. 83; Assessment Reports 843, 866, 8107.

WOMO (Fig. E-1, NTS 103, No. 122)

LOCATION: Lat. 54° 47′ Long. 128° 23′ (103I/16W)
OMINECA M.D. Approximately 9 kilometres due south of the junction of Skeena River and Fiddler Creek; tributaries from the Carpenter Creek run through the property.

CLAIMS: WOMO 1 and 2 (10 units each).

OWNER: K. W. Livingstone.

OPERATOR: JMT SERVICES CORP., 8827 Hudson Street, Vancouver.

METALS: (Molybdenum, copper).

DESCRIPTION: Jurassic Bowser Group siltstones and greywackes and lesser Hazelton Group volcanic rocks are intruded by granodiorite. Biotite-feldspar porphyry and quartz porphyry dykes also occur marginal to the granodiorite. Minor molybdenite and chalcopyrite occur in fractures and with quartz.

WORK DONE: 1979 – geological mapping, 1:4200; 1980 – geochemical survey, 74 soil and 85 rock samples analysed for molybdenum, on both claims.

REFERENCES: Mineral Inventory 103I–J-122; Assessment Reports 8374, 9524.

FUN (Fig. E-1, NTS 103, No. 66)

LOCATION: Lat. 54° 59′ Long. 128° 09′ (103I/16E)
OMINECA M.D. Approximately 8 kilometres southeast of Woodcock (on the Skeena River); claims are on the northeast flank of Seven Sisters Peaks.

CLAIMS: FUN (12 units), MASSA (8 units).

OWNER: Noranda Mines Ltd.

OPERATOR: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112 Street, Edmonton, Alberta.

DESCRIPTION: Rock samples collected on the property include hornfels, greywacke, argillite, slate, quartz vein material, and granodiorite from a small intrusive plug.

WORK DONE: Geochemical survey, 22 soil, 8 rock, and 10 silt samples analysed for multi-elements, on both claims.

REFERENCE: Assessment Report 8387.

REGA, MAG, CALEDONIA (Fig. E-1, NTS 103, No. 65)

LOCATION: Lat. 54° 59′ Long. 128° 12′ (103I/16E, 103P/1E)
OMINECA M.D. Approximately 12 kilometres south-southeast of Woodcock, 55 kilometres north-northwest of Terrace, covering the Seven Sisters Peaks.

CLAIMS: FOX 1 to 5 (82 units), TIM 1 to 4 (80 units), RY 1 to 4 (80 units), RUSH 1 to 4 (80 units).

OWNER: CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

METALS: Molybdenum, (tungsten).

DESCRIPTION: The property covers the Seven Sisters Peaks which consist of Bowser Group sedimentary rocks deformed and crenulated by intrusion of the Seven Sisters stock. Molybdenite, chalcopyrite, and scheelite mineralization occurs within the stock and adjacent dyke swarms. Mineral occurrences within the Bowser Group contain minor lead, zinc, copper, and silver.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 165 soil samples analysed for copper, lead, zinc, molybdenum, silver, cadmium, cobalt, and tungsten and 45 rock samples analysed for silver, copper, molybdenum, lead, zinc, and tungsten, on all claims.

REFERENCES: Mineral Inventory 103I–J-55, 56, 128, 129, 149, 150; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 487; Exploration in B.C., 1979, p. 256; Assessment Reports 2016, 3541, 4276, 8467, 9147.

PRINCE RUPERT – TERRACE 103I and part of 103J

EDYE PASS, SURF INLET (Fig. E-1, NTS 103, No. 68)

LOCATION: Lat. 54° 01′ Long. 130° 35′ (103J/2E)
SKEENA M.D. North end of Porcher Island, off Edwin Point to 1 kilometre south of Edwin Point.

CLAIMS: TRIXIE (Lot 6515), WESTERN HOPE (Lot 6561), PIRATE (Lot 6953), REWARD (Lot 6955), JEANIE (Lot 7191), NABOB (Lot 7192), plus TIPPY, TOBY 1 and 2, KERRY, EDYE PASS, and BR 1 and 2 (totalling 30 units).

OWNER: Banwan Gold Mines Ltd.

OPERATOR: E&B EXPLORATIONS LTD., 2900, 300 Fifth Avenue SW, Calgary, Alberta T2P 3C4.

METALS: Gold, silver, copper.

DESCRIPTION: Jurassic-aged metavolcanic rocks are intruded by a Cretaceous-aged quartz diorite boss, about 2.5 kilometres in diameter situated in the Coast Plutonic Complex. The boss consists of an outer peripheral hornblende quartz diorite phase about 300 metres wide and a quartz diorite core. Pyritic quartz veins intrude both phases but appear to be better developed in the quartz diorite phase. The quartz veins are generally found in long continuous structures, usually steep shears. The veins pinch and swell along and up strike quite frequently. Widths of the veins range from 2.5 centimetres to 1.2 metres. In general the vein material is entirely quartz with chalcopyrite.

WORK DONE: Underground geological mapping, 1:250, covering Trixie, Western Hope, and Jeanie; underground diamond drilling, 50 AQ holes totalling 3 472 metres, on Trixie and Jeanie; 162 metres of drifting and 247 metres of crosscutting, on Trixie; and surface and underground surveying, covering Trixie, Western Hope, and Jeanie.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, pp. E176, E177; 1977, p. E208; 1978, p. E236; 1979, pp. 256, 257; Assessment Report 6195; Mineral Inventory 103I–J-1, 2.

PACKERSBACK (Fig. E-1, NTS 103, No. 70)

LOCATION: Lat. 54° 00′ Long. 132° 55′ (103F/15W, 103K/2W)
Report on this property in 103F/15W.

NASS RIVER 103P and part of 103O

GEORGIA RIVER, GOLD (Fig. E-1, NTS 103, No. 71)

LOCATION: Lat. 55° 48′ Long. 130° 02′ (103O/16E)
SKEENA M.D. Approximately 4 kilometres east of Portland Canal, with Georgie River running through the southern part of the claims, just north of Koris Creek.

CLAIMS: SUN, MIKE 1 to 3 (20 units each), GOLDFIELDS, GOLDFIELDS 1, 2, 4 to 6, JUNE, JUNE Fraction, JUNE 1 to 10, SOVEREIGN, SOVEREIGN Fraction, SOVEREIGN 1, 2.

OWNERS: Cannon Resources Ltd. and M. Boyle.

OPERATOR: E&B EXPLORATIONS LTD., 2900, 300 Fifth Avenue SW, Calgary, Alberta.

METALS: Gold, silver, lead, zinc, (copper).

DESCRIPTION: Andesitic flow rocks and tuffs locally are strongly sheared and altered to mica schists, correlated to Hazelton Group (Lower to Middle Jurassic) and intruded by granitic dykes and tongues. Two distinct quartz vein systems related to shears 320 degrees azimuth and 0 degree azimuth; six veins are recognized.

WORK DONE: Geological mapping, 1:2000; linecutting, 37.5 kilometres; trenching, 137 trenches; diamond drilling, 15 BQ holes, totalling 904.24 metres; and geochemical survey, 200 rock samples analysed for gold and silver.

REFERENCES: Mineral Inventory 103P-3; *Minister of Mines, B.C.*, Ann. Repts., 1937, p. B42; 1938, p. B26; Assessment Report 8547.

REGAL, MAG, CALEDONIA (Fig. E-1, NTS 103, No. 65)

LOCATION: Lat. 54° 59′ Long. 128° 12′ (103I/16E, 103P/1E)
Report on this property in section 103I/16E.

UGACHACA (Fig. E-1, NTS 103, No. 73)

LOCATION: Lat. 55° 01′ Long. 128° 10′ (103P/1E)
OMINECA M.D. Approximately 6 kilometres southeast of Woodcock (Skeena River), approximately 2 kilometres west of Weeksinisht Peak.

CLAIM: UGACHACA (9 units).

OWNER: Noranda Mines Ltd.

OPERATOR: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112th Street, Edmonton, Alberta.

WORK DONE: Geochemical survey, 31 soil samples analysed for multi-elements.

REFERENCE: Assessment Report 8386.

MORNING STAR (Fig. E-1, NTS 103, No. 72)

LOCATION: Lat. 55° 05' Long. 128° 13' (103P/1E)
OMINECA M.D. Seventy-seven kilometres northeast of Terrace, just 3 kilometres northeast of Woodcock.
CLAIMS: KIX 1 to 3 (34 units).
OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.
METAL: Molybdenum.
DESCRIPTION: The property is underlain by Skeena Group sedimentary rocks intruded by at least five irregular stocks aligned northeasterly. Quartz monzonites are argillized and sericitized and with hornfelsed sedimentary rocks contain quartz veins. A stockwork containing low-grade molybdenite occurs in the central part.
WORK DONE: 1979 – geological mapping, 1:10 000; and 37 rock samples analysed for multi-elements, on Kix 1 and 2; 1980 – geological mapping, 1:5000; and geochemical survey, 347 soil and 80 rock samples analysed for copper, nickel, cobalt, manganese, iron, silver, zinc, lead, and gold, covering Kix 1-3.
REFERENCES: Mineral Inventory 103P-34; *Minister of Mines, B.C.*, Ann. Rept., 1930, p. 138; Assessment Reports 7930, 8615.

VALLEY (Fig. E-1, NTS 103, No. 74)

LOCATION: Lat. 55° 08' Long. 129° 17' (103P/3W)
SKEENA M.D. Approximately 18 kilometres southwest of Aiyansh on Nass River (south side) where Zaulzap River (Zolzap Creek) flows into the Nass.
CLAIMS: ZOL (12 units), VALLEY 1 (16 units).
OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.
METAL: Molybdenum.
DESCRIPTION: The claims are underlain by homogeneous, relatively fresh Coast granite with some aplite dykes. Very weak, erratic, widely spaced quartz-molybdenite stringers are present in the granodiorite.
WORK DONE: Topographical mapping, 1:5000; and geochemical survey, 271 soil samples analysed for copper, molybdenum, lead, and zinc and 340 silt samples analysed for copper, iron, molybdenum, lead, and zinc, on both claims.
REFERENCES: Mineral Inventory 103P-231; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 51; 1967, pp. 50-52; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 164; Assessment Reports 8350, 8856.

PENNY CREEK, NIMBLE (Fig. E-1, NTS 103, No. 75)

LOCATION: Lat. 55° 15' Long. 129° 32' (103P/4E, 5E)
SKEENA M.D. Twenty kilometres south-southwest of the British Columbia Moly mine at Kitsault on Alice Arm, in the headwaters of Penny Creek, on the southeast side of Mount Huntingdon.
CLAIMS: BC 1 to 6 (75 units), BC 7 to 12 (56 units), NASS 1 to 4 (18 units each).
OWNER: BETHLEHEM COPPER CORP., 2100, 1055 West Hastings Street, Vancouver.
METALS: Molybdenum, copper.
DESCRIPTION: Molybdenite associated with quartz veins occurs in coarse-grained porphyritic granodiorite and fine-grained porphyritic quartz monzonite of Tertiary age.

WORK DONE: Geological mapping, 1:50 000; photographic interpretation; and geochemical survey, 148 soil and 55 silt samples analysed for copper and molybdenum and 11 rock samples analysed for copper, molybdenum, and silver, on BC 1-4.

REFERENCES: Mineral Inventory 103P-233, 250; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 48; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 258; Assessment Reports 8080, 9139.

HAYWIRE (Fig. E-1, NTS 103, No. 77)

LOCATION: Lat. 55° 25′ Long. 129° 41′ (103P/5E)
SKEENA M.D. Approximately 17 kilometres west of Alice Arm townsite, on the northern shore of Alice Arm, 2 kilometres north-northeast of Davies Point.

CLAIM: SEA OTTER (4 units).

OWNER: A. BURTON, 5900 No. 1 Road, Richmond V7C 1T2.

METALS: (Copper, nickel, cobalt, silver).

DESCRIPTION: Bowser (Jurassic) argillites and sandstones are intruded by Coast intrusive rocks (Upper Jurassic) and diorite and lamprophyre dykes (Tertiary). The sedimentary rocks are mineralized with pyrrhotite, pyrite, minor chalcopyrite, and other sulphides.

WORK DONE: 1979 and 1980 – geochemical surveys, 32 silt samples analysed for lead, silver, cobalt, and nickel, 7 soil samples analysed for molybdenum, copper, and zinc, and 12 rock samples analysed for copper, nickel, cobalt, molybdenum, gold, and silver.

REFERENCES: Mineral Inventory 103P-110; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 67; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 67; 1971, p. 120; Assessment Report 8377.

TIDEWATER (Fig. E-1, NTS 103, No. 76)

LOCATION: Lat. 55° 28′ Long. 129° 33′ (103P/5E)
SKEENA M.D. Approximately 9 kilometres east-northeast of Hans Hill, approximately 2.4 kilometres south of the 'Y' of Falls Creek.

CLAIMS: TIDE, TIDE 2 to 5 (54 units), TIDE II.

OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.

METAL: Molybdenum.

DESCRIPTION: Hazelton Group argillite, siltstone, and greywacke are intruded by the Tidewater stock of quartz monzonite to granite. Prominent structural features include northeast-trending lineaments and dykes and a widespread zone of quartz veins in the southern part. Molybdenite occurs in quartz-molybdenite veins and stockworks.

WORK DONE: Geological mapping, 1:5000; and diamond drilling, 4 NQ holes, totalling 784.2 metres, on Tide, Tide 2, and Tide 5.

REFERENCES: Mineral Inventory 103P-111; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 63; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 238; 1979, p. 258; Assessment Reports 6961, 7444, 7966, 8589.

CARIBOU, WOLF (Fig. E-1, NTS 103, No. 124)

LOCATION: Lat. 55° 29′ Long. 129° 30′ (103P/5E, 6W)
SKEENA M.D. One kilometre west of Alice Arm townsite, straddling Falls Creek.

CLAIMS: DRIVER (20 units), CARIBOU, RIVER MOUTH.
OWNER: K. W. Livingstone.
OPERATORS: PRISM RESOURCES LTD., 409, 601 Granville Street, Vancouver and JMT SERVICES CORP., 8827 Hudson Street, Vancouver.
METALS: Silver, lead, zinc, gold, copper.
DESCRIPTION: The property is underlain by argillite intruded by quartz porphyry dykes.
WORK DONE: 1979 – geochemical survey, 80 soil and 4 rock samples analysed for lead, silver, molybdenum, and manganese, on Driver.
REFERENCES: Mineral Inventory 103P-124, 125; *Minister of Mines, B.C.*, Ann. Rept., 1916, p. 64; 1965, p. 63; Assessment Report 8689.

KITSAULT, BC MOLY (Fig. E-1, NTS 103, No. 78)

LOCATION: Lat. 55° 26′ Long. 129° 27′ (103P/6W)
SKEENA M.D. Seven kilometres southeast of Alice, at the end of Alice Arm, on Widdzech Mountain.
CLAIMS: AC 2, 4, 16, 27 Fraction, ACCESS 2, 4, 6, 8, 11 to 18, 28 to 31, ACCESS NO. 1 Fraction, BCM 1 to 6, 8 Fraction, BCM 7 to 10, HRG 1 to 3, HRG Fraction, IW 3, 6, 7, 10, JAN 1 to 27, JAN 1 Fraction, JAN Fraction, JOY 1 to 10, KENNCO ACCESS 19 to 27, MA 1, 6 Fraction, MEG 1 to 8, TIM 1 Fraction, ALICE (12 units), BLUE 1 (9 units), BLUE 2 (10 units), BLUE 3 (1 unit), BLUE 4 (9 units), BLUE 5 (4 units), BLUE 1 to 6 Fraction (6 units), DEN 2, Mineral Leases M-157 to M-191.
OWNER: AMAX OF CANADA LTD., Box 12525, Oceanic Plaza, 1066 West Hastings Street, Vancouver V6E 3X1.
METAL: Molybdenum.
DESCRIPTION: Molybdenite mineralization is associated with a small elliptical stock of quartz monzonite composition. The stock intrudes sedimentary rocks of the Bowser Formation. Most of the molybdenite is found within the contact zone of the sedimentary rocks and the intrusive rock. The mineralized zone is annular in plan and arcuate in section. The mineralization occurs in veins with a minor amount as disseminations.
WORK DONE: Diamond drilling, 2 NQ holes, totalling 355 metres, on Den 2.
REFERENCES: Mineral Inventory 103P-120, 112-115; *CIM*, Special Vol. 15, Porphyry Deposits of the Canadian Cordillera, pp. 462-475; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 238; Assessment Reports 7002, 7034, 8797.

ESPERANZA (Fig. E-1, NTS 103, No. 123)

LOCATION: Lat. 55° 29.5′ Long. 129° 29.5′ (103P/6W)
SKEENA M.D. Approximately 1.5 kilometres north from Alice Arm, with Dak River flowing just east of the property.
CLAIMS: BLACK BEAR (Lot 1071), I'LL CHANCE IT (Lot 1072), ALDERBARAN (Lot 1073).
OWNER: A. Lorinde.
OPERATORS: J. TREYVAUD and H. BERTSCHMANN, c/o 9, Rue Bovy-Lysberg, 1204 Geneva, Switzerland.
METALS: Silver, gold, copper, lead.
DESCRIPTION: The country rock is predominantly argillite. There are some dykes also such as are common in this area. Most veins were found on Black Bear; few exceed 12 centimetres in thickness and the greatest length exposed is 16.5

centimetres. They are of two types: quartz with sulphides and ruby silver and vuggy quartz. They strike north-northwest and dip mostly southwest.

WORK DONE: Geological mapping, 1:1200, on Black Bear and I'll Chance It.

REFERENCES: Mineral Inventory 103P-126, 127; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 64; Exploration in B.C., 1976, p. E 166; Assessment Reports 5794, 6219, 9045.

KIT (Fig. E-1, NTS 103, No. 125)

LOCATION: Lat. 55° 22′ Long. 128° 12′ (103P/8E)
OMINECA M.D. Thirty-two kilometres west of Hazelton and 4 kilometres west of Kitwanga Lake.

CLAIM: KIT (12 units).

OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.

METAL: Molybdenum.

DESCRIPTION: Northwesterly dipping greywackes and argillites are cut by pyritic sills and dykes of biotite feldspar porphyry. Molybdenite is disseminated in a quartz vein stockwork in the porphyry rocks and adjacent hornfels.

WORK DONE: 1979 – geological mapping, 1:5000; and geochemical survey, 70 soil, 10 silt, and 72 rock samples analysed for multi-elements.

REFERENCES: Mineral Inventory 103P-239; Assessment Report 7925.

YANKEE BOY (Fig. E-1, NTS 103, No. 126)

LOCATION: Lat. 55° 35′ Long. 129° 15′ (103P/11)
SKEENA M.D. Approximately 9 kilometres southeast of the southern tip of Kinskuch Lake; the eastern central part of the claim group is cut by the western tip of Lahte Creek.

CLAIMS: EARLY 1 (18 units), GAP 1 (10 units), COLEMAN (6 units), SHUMAL 1 to 4 (20 units each).

OWNERS: Hudson Bay Exploration and Development Ltd. and B. Watson.

OPERATOR: HUDSON BAY EXPLORATION AND DEVELOPMENT LTD., 440, 1055 West Hastings Street, Vancouver.

METALS: (Silver, lead).

DESCRIPTION: The property is underlain by rhyolites and andesite tuffs that have been cut by leucocratic feldspar porphyry dykes. Bleached and/or altered siliceous rhyolites contain pyrite and disseminated argentiferous galena. Strong talc-sericite alteration is present.

WORK DONE: Geological mapping, 1:1000, 1:5000; and rock assays: 11 for copper, lead, and zinc; 12 for silver and gold; 12 for cobalt and mercury; 31 for copper, lead, and zinc; and 31 for mercury; rock (ppm): 5 for copper, lead, zinc, silver, gold; 2 for copper, lead, zinc, and silver.

REFERENCES: Mineral Inventory 103P-144, 145; *Minister of Mines, B.C.*, Ann. Rept., 1921, p. 56; Assessment Report 8904.

ACE (Fig. E-1, NTS 103, No. 88)

LOCATION: Lat. 55° 31′ Long. 129° 14′ (103P/11E)
SKEENA M.D. Approximately 16 kilometres east from Alice Arm, with Shishilabet Lakes surrounding the property.

CLAIMS: ACE 1 to 8, PAR 1 to 8, HAZARD 1 (1 unit each).

OWNER: J. S. Christie.

OPERATOR: PRISM RESOURCES LTD., 601, 409 Granville Street, Vancouver.

DESCRIPTION: Limited observations indicate the property is underlain by Upper Jurassic/ Lower Cretaceous siltstones, greywacke, sandstone, tuff, and breccias.

WORK DONE: 1979 and 1980 – geochemical survey, 23 soil and 4 rock samples analysed for molybdenum, copper, lead, zinc, gold, arsenic, and silver, covering Ace 2, 3, Par 1, 3, 5-7, and Hazard 1.

REFERENCE: Assessment Report 8774.

RED BLUFF (Fig. E-1, NTS 103, No. 127)

LOCATION: Lat. 55° 33.5′ Long. 129° 25′ (103P/11W)
SKEENA M.D. Approximately 11 kilometres southwest of the southern tip of Kinskuch Lake with Gumas Creek and Washout Creek cutting through the group.

CLAIMS: LOT 1 to 3 (12 units each).

OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver.

METALS: Copper, silver, zinc, lead, tungsten.

DESCRIPTION: The property is underlain by a body of feldspar porphyry and associated dykes, Bowser Group sedimentary rocks, and Hazelton Group volcanic rocks. Disseminated pyrite occurs in all units and as seams and fracture coatings in the feldspar porphyry. A minor amount of chalcopyrite occurs locally.

WORK DONE: Geological mapping, 1:10 000; and sampling, 106 soil, 27 silt, and 28 rock samples taken, on all claims.

REFERENCES: Mineral Inventory 103P-160; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 123; Assessment Reports 1194, 1241, 9295.

KINSKUCH (Fig. E-1, NTS 103, No. 79)

LOCATION: Lat. 55° 39′ Long. 129° 20.5′ (103P/11W)
SKEENA M.D. Approximately 19 kilometres northeast of Wilauks Creek Mountain; claims lie along the southeast border of Kinskuch Lake, 21 kilometres north-northeast of Alice Arm.

CLAIMS: BIG BULK (16 units), BIG BULK 2 (12 units).

OWNER: K. W. Livingstone.

OPERATOR: PRISM RESOURCES LTD., 601, 409 Granville Street, Vancouver.

METALS: Copper, gold.

DESCRIPTION: The property is underlain by volcanic rocks of the Hazelton Group divided into an upper unit predominantly agglomerate with minor hematite in the matrix, and a lower unit comprised of andesite, minor breccias, tuffs, and vesicular lava rocks. The lower unit hosts all significant mineralization which is quartz with pyrite and rare chalcopyrite. Chalcopyrite occurs also disseminated in the andesite.

WORK DONE: 1979 – geochemical survey, 80 rock samples analysed for copper and gold, on Big Bulk; 1980 – geological mapping, 1:1000; and assays made on 14 samples for copper and gold, 2 samples for cobalt, and 7 samples for silver, all on Big Bulk.

REFERENCES: Mineral Inventory 103P-16; Assessment Reports 712, 2538, 8375, 8785.

MOOSE, LAST CHANCE, GALENA (Fig. E-1, NTS 103, No. 134)

LOCATION: Lat. 55° 45′ Long. 129° 30′ (103P/11W, 12E, 13E, 14W)
SKEENA M.D. Approximately 10.2 kilometres north of the junction of Miner Creek and Kitsault River.

CLAIMS: ACE 1 (16 units), SKERL 1 and 2 (20 units each), SKERL 3 (12 units), SKERL 4 (9 units), SKERL 5 (12 units), D DAY 1 and 2, VICTORY, VICTORY 1, IRON CAP 1 (Lot 4216), MOOSE 1 (Lot 1241), MOOSE 2 (Lot 1242), MOOSE 3 (Lot 1243), MOOSE 5 (Lot 1244).

OWNER: LODESTAR ENERGY INC., 535, 470 Granville Street, Vancouver V6C 1V5.

METALS: Silver, lead, zinc, gold, copper.

DESCRIPTION: Hazelton Group shale, agglomerate, and sandstone are intruded by pyritic rocks. Sulphides with silver and gold occur in the intrusive rocks, roof pendants, and quartz-carbonate veins.

WORK DONE: Geochemical survey, 740 soil samples analysed for lead, zinc, and silver, on Ace 1, Skerl 3.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. 166 (Victory); Mineral Inventory 103P-204-209, 218, 219, 247, 248; Assessment Reports 5833, 6112, 9564.

OLH (Fig. E-1, NTS 103, No. 82)

LOCATION: Lat. 55° 31′ Long. 129° 44′ (103P/12)
SKEENA M.D. On the east side of Hastings Arm, a branch of Observatory Inlet, immediately south of Olh Creek.

CLAIMS: OLH 1 to 6 (106 units).

OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Hazelton Group (?) chloritized quartz-biotite schists are intruded by quartz-diorite and diorite, quartz-monzonite, and basalt to gabbro dykes and plugs. Molybdenite occurrence is restricted to quartz-monzonite or to biotite-granite. Two north-northeasterly trending mafic faults cross the property.

WORK DONE: 1979 – geological mapping, 1:10 000; and geochemical survey, 89 soil and 18 silt samples analysed for molybdenum, copper, lead, and zinc, on all claims; 1980 – geological mapping, 1:5000; and geochemical survey, 631 soil and 51 rock samples analysed for molybdenum, copper, lead, zinc, and silver, on all claims.

REFERENCES: Mineral Inventory 103P-269; Assessment Reports 8361, 8545.

ROYAL (Fig. E-1, NTS 103, No. 128)

LOCATION: Lat. 55° 41′ Long. 129° 31.5′ (103P/12E)
SKEENA M.D. Approximately 13 kilometres north of the junction of Klayduc Creek and Kitsault River; the claims lie 1 kilometre south of the junction of Black Bear and Evindsen Creeks.

CLAIMS: ROYAL NO. 1 to 8 (Lots 1080 to 1086), CANDY (20 units), DV 1 to 8, SILVER BELL Fraction.

OWNER: STIKINE SILVER LTD., 705, 850 West Hastings Street, Vancouver V6C 1E1.

METALS: Copper, silver.

DESCRIPTION: The property is underlain by argillaceous sedimentary rocks and fragmental volcanic rocks divided into four formations and folded into a broad northwest-plunging synclinal structure. A belt of schistose light grey crystal tuffs paralleling the northwest Homestead Creek fault zone underlies the southern half of the property. Disseminated pyrite is widespread in the crystal tuffs.

WORK DONE: Linecutting, 11.6 kilometres; induced polarization survey, 11.6 kilometres; and geochemical survey, 12 soil samples analysed for lead, zinc, copper, silver, and gold, on Royal 1-5, 7, 8.

REFERENCES: Mineral Inventory 103P-186; *Minister of Mines, B.C.*, Ann. Repts., 1922, p. 61; 1928, p. 85; 1956, p. 21; ***B.C. Ministry of Energy, Mines & Pet. Res.***, GEM, 1970, p. 87; Assessment Report 9064.

DOLLY VARDEN (Fig. E-1, NTS 103, No. 81)

LOCATION: Lat. 55° 42′ Long. 129° 31′ (103P/12E)
SKEENA M.D. Twenty-five kilometres north of Alice, on the west side of Kitsault River.

CLAIMS: Forty-five Crown-granted claims including DOLLY VARDEN, WOLF, NORTH STAR, MOOSE, TORIC; 39 located claims including ROAN, ANTELOPE, DANA, WOLF, COPPER CLIFF; and Mineral Leases M-22, 36, 38 to 41, 57.

OWNER: Dolly Varden Minerals Inc.

OPERATOR: TORBRIT SILVER RESOURCES LTD., 400, 65 Charles Street East, Toronto, Ontario M4Y 1S2.

METALS: Silver, lead.

DESCRIPTION: The properties lie near the centre of a panel of Lower Jurassic volcanic and sedimentary rocks of the Hazelton assemblage which have been intruded by Glacier Creek diorite and granodiorite stocks (Cretaceous-Early Tertiary). The Hazelton assemblage consists of interstratified and interfingering clastic and pelitic sedimentary rocks and mafic volcanic breccias, tuffs, and flow rocks. The majority of the silver-lead veins occur within volcanic epiclastic (fine-grained tuffs) which show little signs of bedding. The country rock is silicified and propylitized.

WORK DONE: Underground diamond drilling, 25 holes, totalling 284.1 metres, on Wolf and 388.6 metres on North Star; partial rehabilitation, 683.9 metres on Torbrit adit, 335.3 metres on North Star adit, and 45.7 metres on Torbrit shaft; road work, 6.7 kilometres.

REFERENCES: Mineral Inventory 103P-188, 189, 190, 198; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 507; Exploration in B.C., 1978, pp. 238-239; Assessment Report 7098.

CASCADE FALLS (Fig. E-1, NTS 103, No. 80)

LOCATION: Lat. 55° 44′ Long. 129° 34′ (103P/12E, 13E)
SKEENA M.D. Approximately 30 kilometres north-northwest of Alice Arm; the claims lie 2.5 kilometres west of the junction of West Kitsault and Kitsault Rivers.

CLAIMS: LUCKY STRIKE 1 to 10, CASCADE FALLS 1 to 6, TED 1 to 3, TED Fraction, TED 4 Fraction, TED 5 Fraction, WILBERFORCE 1 to 3 (16 units each).

OWNER: R. Collison.

OPERATOR: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3.

METALS: Lead, zinc, copper, silver, gold.

DESCRIPTION: The claims are underlain by Jurassic–Upper Cretaceous Hazelton Group differentiated volcanic series of andesitic flow rocks and breccias overlain (?) by partly intercalated rhyolites, cherts, and argillites and younger (?) porphyritic andesites. The sequence is intruded by hypabyssal feldspar porphyries. Northeast-trending fault zones were mapped.

WORK DONE: Geological mapping, 1:2500; and linecutting, 25.75 kilometres, on all claims except Wilberforce 1, 3, and Cascade Falls 5, 6; geochemical survey, 595 soil and 82 rock samples analysed on Lucky Strike 3-8.

REFERENCES: Mineral Inventory 103P-211, 214; Assessment Reports 6049, 8166, 9076.

MARMOT METALS (Fig. E-1, NTS 103, No. 83)

LOCATION: Lat. 55° 51′ Long. 129° 54′ (103P/13W)
SKEENA M.D. Approximately 10 kilometres south-southwest of Stewart, immediately north of Marmot River; Montana Creek flows through property.

CLAIMS: BESS (Lot 4976), GLACIER (Lot 4984), POINT FR. (Lot 4985), MAY FR. (Lot 4982), MAUDE (Lot 4980), FOUNTAIN (Lot 4750), GREY ROCK (Lot 4983), HORSESHOE (Lot 4975), MAY (Lot 4981), PEACH FR. (Lot 4979), PEACH NO. 1 (Lot 4977), PEACH NO. 2 (Lot 4978), SUNLIGHT (Lot 4749), SIC SIC 1, SIC SIC 2.

OWNER: D. Kretschmar.

OPERATOR: HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1325 South Colorado Boulevard, Denver, Colorado, USA 80222.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The property is underlain by andesitic tuffs and coarser pyroclastics and minor hornblende porphyritic andesite flow rocks of the Upper Jurassic Hazelton Group. These are intruded by the Hyder quartz monzonite pluton. Pods of sphalerite-galena-pyrite-pyrrhotite occur at a limestone-tuff contact on the Horseshoe claim.

WORK DONE: Geological mapping, 1:20 000; and prospecting, on all claims.

REFERENCES: Mineral Inventory 103P-102; *Minirter of Mines, B.C.*, Ann. Rept., 1930, p. 53; Assessment Report 8538.

BI–METALLIC (Fig. E-1, NTS 103, No. 129)

LOCATION: Lat. 55° 52′ Long. 129° 57.5′ (103P/13W)
SKEENA M.D. Approximately 8.4 kilometres south of Stewart; the junction of Marmot River and Kate Ryan Creek is in the central and north portion of the property.

CLAIM: GOLD DROP (12 units).

OWNER: E. R. Kruchkowski.

OPERATOR: E&B EXPLORATIONS LTD., 2900, 300 Fifth Avenue SW, Calgary, Alberta.

METALS: Gold, silver, lead, zinc, copper.

DESCRIPTION: The property appears to be underlain by the Hyder quartz monzonite pluton, a satellite of the main Coast crystalline batholith. Gold mineralization associated with pyrite along sheared and silicified zones has been related to this intrusive.

WORK DONE: Geological mapping, 1:5000.

REFERENCES: Mineral Inventory 103P-100; *Minister of Mines, B.C.*, Ann. Repts., 1929, pp. C 93, C 94; 1930, p. A 104; 1950, p. 78; Assessment Report 9311.

LUCKY STRIKE (Fig. E-1, NTS 103, No. 130)

LOCATION: Lat. 55° 53' Long. 129° 55.5' (103P/13W)
SKEENA M.D. Approximately 6.2 kilometres southeast of the townsite of Stewart; the northwest corner of the claims is cut by Kate Ryan Creek.

CLAIMS: FRASER 1 (20 units), FRASER 2 (15 units), FRASER GROUP (4 units), LUCKY STRIKE (Lot 5123), ALAMEDA (Lot 5124), VELVET (Lot 5125), MOONSHINE (Lot 5126).

OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.

DESCRIPTION: The claims are underlain by Lower to Middle Jurassic Hazelton tuffs, tuffaceous sedimentary rocks, sandstones, and argillites with minor limestones, volcanic flow rocks, and intermediate intrusive rocks. These rocks have been intruded by Tertiary granitic rocks of the Hyder pluton and later dacitic and basaltic dykes. Pyrite with local pyrrhotite and minor galena and sphalerite occurs as tabular bodies related to zones of shearing or cleavage of a second folding stage.

WORK DONE: Geological mapping, 1:5000, 1:200, on Fraser Group, Fraser 1 and 2.

REFERENCE: Assessment Report 8969.

PROSPERITY, PORTER IDAHO, SILVERADO (Fig. E-1, NTS 103, No. 85)

LOCATION: Lat. 55° 55' Long. 129° 56' (103P/13W)
SKEENA M.D. One kilometre southeast of Stewart on Mount Rainey.

CLAIMS: Forty-six Crown-granted claims including PROSPERITY (Lot 1858), COPPER KING (Lot 1864), COPPER QUEEN (Lot 1865), SILVERADO 3 (Lot 4520), EUREKA (Lot 4732), NETTIE L (Lot 4730), SUNDAY (Lot 4731), PRICKLY HEAT (Lot 4734), PRICKLY HEAT FR. (Lot 4737), NEVER SWEAT FR. (Lot 4738).

OWNER: PACIFIC CASSIAR LTD., 166, 10551 Shellbridge Way, Richmond V2X 2W9.

METALS: Silver, gold, lead, zinc.

DESCRIPTION: Silver, lead, and zinc mineralization occurs in shoots within thick shear zones to 15 metres, infilled with quartz and minor barite. Five veins are known to occur roughly parallel to each other of which three have received development mining over an intermittent vertical range of 200 metres. Supergene enrichment in the system has produced a variety of silver sulphides and sulphosalts plus some native silver. The silver-to-lead ratio averages 12 to one. Host lithologies include clastic volcanic rocks and flow rocks of the Hazelton assemblage.

WORK DONE: Underground mapping, on two levels, 500 metres; channel sampling, 120 samples of one metre each; and underground percussion drilling, 60 holes of 10 metres each on two levels, all on Nettie L, Sunday, Prickly Heat, Prickly Heat Fr., and Never Sweat Fr.

REFERENCES: Mineral Inventory 103P-88, 89; *Minister of B.C.*, Ann. Repts., 1920, p. 54; 1966, p. 41; *Geol. Surv., Canada*, Mem. 175, p. 146; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 58, p. 148; GEM, 1970, p. 76.

MELVIN (Fig. E-1, NTS 103, No. 84)

LOCATION: Lat. 55° 56' Long. 129° 55' (103P/13W)
SKEENA M.D. Southeast of Stewart, covering Mount Magee.

CLAIMS: MELVIN (Lot 1867), MELVIN NO. 1 FR. (Lot 1868), MELVIN NO. 2 FR.

(Lot 1869), MELVIN NO. 3 FR. (Lot 1820), TACOMA (Lot 5107), CHINOOK (Lot 5108), BOISE (Lot 5109), GRAND RIDGE (Lot 5110), MILLIE (Lot 5111), SNOQUALMIE (Lot 5112), MAGEE 1 to 3 (9 units each).

OWNER: WESTERN HEMISPHERE MINING CORP., c/o D. A. Farac, Owen, Bird, No. Three Bentall Centre, Vancouver V7X 1J5.

METALS: Silver, lead.

DESCRIPTION: Hazelton Group rhyodacitic agglomerates with minor limestone, siltstone, and graphitic siltstone interbeds are unconformably overlain by Bowser Group sandstones and siltstones. Both groups are cut by lamprophyre dykes. Northwest-trending shears contain quartz and minor pyrite and pyrrhotite. A barite stringer contains minor galena.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 15 rock and 52 soil samples analysed for copper, lead, and silver, on all claims.

REFERENCES: Mineral Inventory 103P-90; *Minister of Mines, B.C.*, Ann. Rept., 1928, p. C 95; Assessment Reports 8403, 8650.

THM (Fig. E-1, NTS 103, No. 131)

LOCATION: Lat. 55° 48' Long. 129° 26' (103P/14W)
SKEENA M.D. Thirty-six kilometres north of Alice Arm, 5 kilometres northeast of Kitsault Lake, between the White and Flat Rivers.

CLAIMS: EASTER EGG (16 units), EASTER BUNNY (8 units).

OWNER: K. W. Livingstone.

OPERATORS: 1979 – PRISM RESOURCES LTD., 601, 409 Granville Street, Vancouver and JMT SERVICES CORP., 8827 Hudson Street, Vancouver; 1980 – JMT SERVICES CORP., 8827 Hudson Street, Vancouver.

METALS: (Molybdenum, lead).

DESCRIPTION: The claims are underlain by quartz diorite near its contact with the Bowser sedimentary rocks. The Bowser shales, argillites, and greywackes are metamorphosed to hornfels near the stock. These rocks are cut by aplite dyke swarms. Molybdenite occurs in quartz veinlets and on fracture surfaces.

WORK DONE: 1979 – geological mapping, 1:5000; 1980 – geochemical survey, 10 soil and 39 rock samples analysed for molybdenum, lead, and zinc, on Easter Egg.

REFERENCES: Mineral Inventory 103P-230; *Minister of Mines, B.C.*, Ann. Rept., 1966, p. 44; Assessment Reports 8373, 9635.

NORTHEAST BRITISH COLUMBIA
(NTS Division 94)

HIGHWAY RIVER 94B

SELWYN (Fig. E-1, NTS 94, No. 1)

LOCATION: Lat. 56° 02′ Long. 123° 40′ (94B/4E)
OMINECA M.D. Approximately 113 kilometres east of Hudson's Hope, covering Colin Creek on the south shore of Williston Lake.

CLAIMS: TALBOT (Lot 599), NORTH STAR (Lot 9090), UNA (Lot 9089), SELWYN (Lot 9078), PEACE RIVER (Lot 9079), LOW LEVEL (Lot 9083), LELAND (Lot 600), LAST CHANCE (Lot 9080), HIGH LEVEL (Lot 9084), ELGIN (Lot 598), EL CAPITAN (Lot 597), EDMONTON (Lot 9082), CALGARY FR. (Lot 9088), ED (Lot 2955), BOB (Lot 2956), FINLAY (18 units).

OWNER: Alsan Development Corp.

OPERATOR: ALINA INTERNATIONAL INDUSTRIES LTD., 208, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The area is underlain by metasedimentary rocks of the Misinchinka Group (Precambrian and/or Cambrian age). This group includes a succession of altered sedimentary rocks that consist of limestone, dolomites, schists, phyllites, schistose sandstones, and quartzites. The mineral assemblage present in each of these formations suggests that the area had been subjected to low-grade regional metamorphism. The mineral claims in the Mount Selwyn area are underlain by white quartzites and greenish coloured schists. This schist occurs above and below a white quartzite bed. The white quartzite occupies a ridge which is about 457.2 metres wide, and may extend for over 3.21 kilometres between the elevation of 175 and 563 metres above the level of Williston Lake. The quartzite bed strikes about north 75 degrees and dips at 40 to 77 degrees southwest.

WORK DONE: Diamond drilling, 5 BQ holes, totalling 455 metres, on Selwyn and Una.

REFERENCE: Assessment Report 9183.

WL (Fig. E-1, NTS 94, No. 2)

LOCATION: Lat. 56° 16′ Long. 123° 38′ (94B/4E, 5E)
OMINECA M.D. Approximately 23.5 kilometres north-northeast of the junction of Peace River and Wicked River; Wicked Lake overlying the east-central area of the claims.

CLAIMS: EVIL 1 (18 units), EVIL 2 (20 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Copper, molybdenum.

DESCRIPTION: The claims are underlain chiefly by dolostones of Ordovician Skoki Formation which form the hangingwall of the west-dipping Mount Burden fault. Bedded limestone and limy shales overlie the dolostones and are tentatively correlated with the Ordovician Road River Group. Apparently thrust over the shales are limestones of the Cambrian-Ordovician Kechika Group.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 29 soil samples analysed for silver, copper, lead, and zinc and 21 soil samples analysed for silver, lead, and zinc, on both claims.
REFERENCES: Mineral Inventory 94B-6; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 288; Assessment Report 8667.

OSPIKA (Fig. E-1, NTS 93, No. 3)

LOCATION: Lat. 56° 22′ Long. 123° 48′ (94B/5W)
OMINECA M.D. Approximately 11 kilometres northeast of the junction of Ospika River and Gauvreau Creek.
CLAIMS: WITCH 1 to 3 (20 units each).
OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.
METAL: Zinc.
DESCRIPTION: Witch 1 and Witch 2 are underlain by gently southwest-dipping Kechika Group (Ordovician) thinly bedded dolostones and limestones and limy phyllites. Witch 3 is underlain by an overturned anticline-syncline couple with Kechika limestones in the core and Skoki dolostones above.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 30 silt samples analysed for silver, copper, lead, and zinc and 8 rock samples analysed for multi-elements, on all claims.
REFERENCES: Mineral Inventory 94B-18; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 134; Assessment Report 8594.

ROBB LAKE (Fig. E-1, NTS 94, No. 4)

LOCATION: Lat. 56° 56′ Long. 123° 42′ (94B/13)
LIARD M.D. Approximately 200 kilometres west-northwest of Fort St. John and 200 kilometres north of Mackenzie, near the headwaters of Halfway River.
CLAIMS: BELL 7 to 16, BM 1 to 8, CLEO 1 to 28, 31 to 33, 41 to 43, 69, 70 to 72, 79, 81, 83, 85, 87, 89 to 96, 98, 100, 105 to 108, 110, 112 to 148, 151 to 164, 166, 169 to 172, 174, 187 to 194, 197 to 200, 207 to 211, 221 to 236, CLEO 2 Fraction, 8 to 11 Fractions, 16 and 17 Fractions, FBW 6, 9 to 16, 25, 27, 28, 39, 40, FG 3, 4, 25 to 34, FG 1 Fraction, JOSH 8, 10, 12, KIM 9 to 12, KIM 51 and 52 Fractions, MART 75, 77, 79, 31, 83, 85, MV 3 to 6, 23, 25 to 36, 49 to 56, 60, 73 to 92, 97 to 139, 141, NMW 1 to 6, 77 to 80, NORM 5 to 12, REX 1 to 7 Fractions, 12 to 17 Fractions, 20 to 22 Fractions, 29 and 30 Fractions, ROB 1 to 48, 50 to 52, ROB 53 to 58 Fractions, ROB 63 to 67, 69 to 72, 75 to 78, 80 to 87, ROB 88 to 94 Fractions, 96 Fraction, 99 to 101 Fractions, and UNION (16 units).
OWNERS: Texasgulf Canada Ltd., Arrow Inter-America Corp., and Barrier Reef Resources Ltd.
OPERATOR: TEXASGULF CANADA LTD., 701, 1281 West Georgia Street, Vancouver.
METALS: Lead, zinc.
DESCRIPTION: Sphalerite and galena occur in dolomitized carbonate rocks (Devonian) in several strata. The rocks are slightly folded but are extensively affected by thrust faulting.

WORK DONE: Diamond drilling, 10 BQ holes, totalling 3 502.7 metres, on Robb 16, 41-44, Cleo 2, 4, 6, MV 73.

REFERENCES: Mineral Inventory 94B-5, 12; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, pp. 463-473; 1973, p, 389; 1974, p. 289; Exploration in B.C., 1975, p. E 156; Assessment Reports 4554, 5313, 5705, 8392.

FORT GRAHAME 94C

BEVERLEY (Fig. E-1, NTS 94, No. 6)

LOCATION: Lat. 56° 08′ Long. 125° 03′ (94C/3E, 2W)
OMINECA M.D. The Osilinka River flows through the middle of the property; the centre of the claim group lies 2 kilometres due west of the junction of Wasi Creek and Osilinka River.

CLAIMS: CARIE 1 to 10, CARIE 12, CARIE 14 to 32, CAROL 1 and 2 (20 units each), CARA 1 to 7 (54 units), KRIKER (12 units), LINDA (12 units), GAEL 4 to 11.

OWNERS: Suzie Mining Exploration Ltd. and R. Hall.

OPERATOR: GOLD LEAF MINING EXPLORATIONS LTD., 915, 409 Granville Street, Vancouver V6C 1T8.

METALS: Silver, lead, zinc.

DESCRIPTION: The area of interest is a fault block of Cambrian age sedimentary rocks, cut off on the north side by the Camp fault, and overlies unconformably older metamorphic rocks. The sedimentary rocks include limestone, dolomite, argillite, and quartz-mica schist. The carbonate member, particularly dolomite breccia, is host to silver-lead-zinc mineralization.

WORK DONE: Geological mapping, 1:1000; and diamond drilling, 18 HQ holes, totalling 836.7 metres, on all claims.

REFERENCES: Mineral Inventory 94C-22, 23; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 168, E 169; 1977, p. E 212; 1978, p. E 240; Assessment Reports 5008, 7546, 8734.

THANE, PLUTO (Fig. E-1, NTS 94, No. 84)

LOCATION: Lat. 56° 08′ Long. 125° 24′ (94C/3W)
OMINECA M.D. Approximately 12 kilometres north of the junction of Osilinka River and Haha Creek; Thane Creek runs through southern portion of the property.

CLAIMS: THANE 1 and 2 (20 units each).

OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta.

METAL: Copper.

DESCRIPTION: The claims are underlain by andesitic flows, breccias, tuffs, and aggomerates of the Takla Group (Upper Triassic). Mineralization occurs along highly sheared alteration zones. Mineralization consists of pyrite, chalcopyrite, magnetite, specularite, and arsenopyrite.

WORK DONE: Geological mapping, 1:2500; ground electromagnetic survey, 4 kilometres; ground magnetometer survey, 2 kilometres; and geochemical surveys, 39 soil samples analysed for 26 elements and 10 rock samples analysed for copper, lead, zinc, gold, silver, antimony, and arsenic, all on Thane 1.

REFERENCES: Mineral Inventory 94C-19, 20; *Geol. Surv., Canada*, Mem. 274, p. 224; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 1, pp. 26-29; Assessment Report 9242.

PAUL (Fig. E-1, NTS 94, No. 8)

LOCATION: Lat. 56° 05' Long. 125° 51' (94C/4W)
OMINECA M.D. Approximately 37.5 kilometres southwest of Aiken Lake, with Mount Ferris lying 10 kilometres northwest of property.

CLAIMS: BARRY , HELEN, EDNA, PAUL (20 units each).

OWNER: Noranda Mines Ltd.

OPERATOR: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

DESCRIPTION: The property is underlain by granitic gneisses (Triassic ?) intruded by mafic and alaskite dykes. Massive quartz occurs in a north-northeast-striking fault and some molybdenite with pyrite and/or chalcopyrite occurs in quartz exposures and in float.

WORK DONE: Geological mapping, 1:50 000; and geochemical survey, 68 silt samples and 9 soil samples analysed for tungsten, molybdenum, copper, lead, zinc, and silver, on all claims.

REFERENCE: Assessment Report 8698.

POLARIS, JUPITER (Fig. E-1, NTS 94, No. 85)

LOCATION: Lat. 56° 28' Long. 125° 45' (94C/5)
OMINECA M.D. Approximately 5 kilometres north-northwest of the mouth of Lay Creek and Aiken Lake, with Polaris Creek flowing north through Polaris 2.

CLAIMS: POLARIS 1 and 2 (20 units each), POLARIS 3 (15 units), POLARIS 4 (3 units), POLARIS 5 (20 units), POLARIS 6 (6 units).

OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street, Calgary, Alberta.

METALS: Copper, zinc.

DESCRIPTION: Claim area is underlain by Mississippian to Permian pyroclastics, andesitic to basaltic flows, conglomerates, sandstones, chert, argillite, and limestones of the Nina Creek Group. Near the Polaris prospect there are many small dykes of acidic to intermediate composition.

WORK DONE: Geological mapping, 1:5000; ground magnetometer survey, 7.5 kilometres; ground electromagnetic survey, 10 kilometres; and geochemical survey, 400 soil and 23 rock samples analysed for multi-elements, all on Polaris 1, 2, and 5.

REFERENCES: Mineral Inventory 94C-12, 13, 59; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 170; Assessment Report 9201.

GRANITE BASIN (Fig. E-1, NTS 94, No. 9)

LOCATION: Lat. 56° 28' Long. 125° 51' (94C/5W)
OMINECA M.D. North of Mesilinka River between Kliyul and Lay Creeks.

CLAIMS: GRANITE BASIN 1 to 6 (1 unit each).

OWNER: N. Burmeister.

(94C/5W)

OPERATOR: MARK V PETROLEUMS AND MINES LTD., 501, 580 Granville Street, Vancouver V6C 1W8.
METAL: Gold.
DESCRIPTION: Dark green hornblende porphyry, andesitic flow rocks, and interbedded sedimentary rocks of the Takla Group are intruded by pyritic feldspar porphyry rocks. Gold values are reported to occur in easterly striking shears.
WORK DONE: Geological mapping, 1:10 000; linecutting, 2 kilometres; ground electromagnetic survey, 2 kilometres; and sampling, 155 chips taken, on all claims.
REFERENCES: Mineral Inventory 94C-9-11; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 158; 1976, p. E 171; Assessment Report 8337.

LC (Fig. E-1, NTS 94, No. 86)

LOCATION: Lat. 56° 28′ Long. 125° 52′ (94C/5W)
OMINECA M.D. Approximately 8 kilometres northeast of the junction of Croydon and Kliyul Creeks, 1 kilometre south of Lay Creek.
CLAIMS: LC 1 (20 units), LC 2 and 3 (10 units), LC 4 (4 units).
OWNER: GOLDEN RULE RESOURCES LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The claims are underlain by a thick sequence of rocks described as andesitic flows, breccias, tuffs, and intercalated agglomerate, shale, and limestone of the Takla Group (Upper Triassic). In the vicinity of Granite Basin, hornblende porphyry flows are intruded by a series of feldspar porphyry sills. At contacts of sills, well pyritized zones exist.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 47 rock samples analysed for copper, zinc, lead, silver, nickel, arsenic, antimony, gold, and iron, on all claims.
REFERENCES: *Geol. Surv., Canada*, Mem. 274; Assessment Reports 5423, 9266.

PIK (Fig. E-1, NTS 94, No. 87)

LOCATION: Lat. 57° 00′ Long. 124° 15′ (94C/16; 94F/1E)
OMINECA M.D. Approximately 50 kilometres east-southeast from the junction of Akie and Findlay Rivers, with Ospika River flowing just west of the property.
CLAIMS: PIK 1 and 2 (15 units each), PIK 3 and 4 (20 units each), PIK 5 (12 units), PIK 6 (20 units).
OWNER: CHEVRON CANADA LTD., 400 Fifth Avenue SW, Calgary, Alberta T2P 0L7.
WORK DONE: Geochemical survey, 18 silt samples analysed for lead, zinc, silver, gold, cobalt, and barium, 6 for copper, lead, zinc, and silver, and 12 rock samples analysed for lead, zinc, silver, and gold, on all claims.
REFERENCE: Assessment Report 8964.

REB (Fig. E-1, NTS 94, No. 10)

LOCATION: Lat. 57° 00′ Long. 124° 22′ (94C/16W; 94F/1W)
OMINECA M.D. Approximately 36 kilometres east of Taper Mountain, with Ospika River lying 6 kilometres east of the claim group.
CLAIMS: REB 1 (6 units), REB 2 (12 units), REB 3 (6 units), REB 4 (12 units), REB 5 (6 units), REB 6 12 units), REB 7 (9 units), REB 8 (8 units).

OWNER: Esperanza Explorations Ltd.

OPERATOR: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver.

DESCRIPTION: The property is underlain by mudstone, siltstone, shale, and dolomite of the Ordovician Road River Formation fault truncated by Silurian siltstone containing dolomite clasts and also interbedded with dolomite. Two prominent gossans are associated with the Road River shale and are believed to represent a continuous mineralized zone.

WORK DONE: Geological mapping, 1:12 672; and geochemical survey, 100 soil and silt samples analysed for lead, zinc, and silver, on Reb 1, 6-8.

REFERENCE: Assessment Report 8621.

McCONNELL CREEK 94D

BEAR, DAVE (Fig. E-1, NTS 94, No. 11)

LOCATION: Lat. 56° 07′ Long. 126° 53′ (94D/2W)
OMINECA M.D. Approximately 145 kilometres north of Smithers and 4 kilometres west of the middle of Bear Lake, with Driftwood River flowing through the east portion of the property.

CLAIMS: BEAR 3 to 14, 25 to 31, 41 to 50, 55 to 70, 78, 80, 110, 118, 120, 122, BE (9 units), BW (9 units).

OWNER: CANADIAN NICKEL CO. LTD., 160, 10451 Shellbridge Way, Richmond.

METALS: Copper, molybdenum.

DESCRIPTION: Volcaniclastic and flow rocks of the Hazelton Group (Middle Jurassic) are intruded by Kastberg (Tertiary) multiphase granitic rocks and younger granite porphyry and aplite dykes. Molybdenite, chalcopyrite, and pyrite are disseminated in tight fractures and quartz veinlets.

WORK DONE: Geological mapping, 1:12 000; and geochemical survey, 21 rock samples analysed for multi-elements, on Bear 26, 28, 30, 40, 42-46, 48-50.

REFERENCES: Mineral Inventory 94D-33, 68; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1974, p. 294; Assessment Reports 4648, 5236, 5269, 8335.

RIM (Fig. E-1, NTS 94, No. 88)

LOCATION: Lat. 56° 04′ Long. 127° 05′ (94D/3E)
OMINECA M.D. Approximately 5 kilometres northwest from the mouth of Squingula River and Motase Lake, with various unnamed creeks flowing through the claim.

CLAIM: MOT (20 units).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by argillites, shales, and siltstones of the Jurassic-Lower Cretaceous Bowser Group. The central part is underlain by a feldspar porphyry intrusive into the Bowser sedimentary rocks in a mass about 250 metres by 1 800 metres. Both sedimentary and intrusive rocks are pyritized; quartz veining with chalcopyrite, molybdenite, pyrite, and traces of galena occur in the porphyry. Stockwork veining has not been recognized.

WORK DONE: Geochemical survey, 245 soil samples analysed for copper and molybdenum, 163 of these were analysed for gold and 116 for silver, on Mot.

REFERENCES: Mineral Inventory 94D-72; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 402; Assessment Report 8844.

HORN (Fig. E-1, NTS 94, No. 89)

LOCATION: Lat. 56° 07.5′ Long. 127° 05′ (94D/3E)
OMINECA M.D. Approximately 9 kilometres north-northwest of the mouth of the Squingula River and Motase Lake.

CLAIMS: HORN 1 (13 units), HORN 2 (10 units).

OWNER: AMOCO CANADA PETROLEUM CO. LTD., 656, 409 Granville Street, Vancouver V6C 1T2.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by a porphyritic granodiorite stock about 300 metres by 2 000 metres and trending westerly, intrusive into shales of the Bowser Group. An aureole of hornfels 60 metres to 240 metres surrounds the porphyry and within this aureole molybdenite mineralization occurs.

WORK DONE: Geochemical survey, 234 soil samples analysed for molybdenum and copper, on both claims.

REFERENCES: Mineral Inventory 94D-69; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 297; Assessment Reports 4731, 5323, 8849.

HORN (Fig. E-1, NTS 94, No. 90)

LOCATION: Lat. 56° 08′ Long. 127° 05′ (94D/3E)
OMINECA M.D. Approximately 9 kilometres north-northwest of the northern tip of Motase Lake, on the western side of Squingula River.

CLAIMS: HORN 1 to 4 (9 units each).

OWNER: K. W. Livingstone.

OPERATORS: JMT SERVICES CORP. and UNION OIL CO., 8827 Hudson Street, Vancouver.

DESCRIPTION: Hornfels Bower Lake sedimentary rocks are cut by a biotite-feldspar porphyry dyke. Quartz veins with molybdenum are present in both rock types. Bleached alteration envelopes adjacent to the quartz veins are present in the biotite hornfels. Fracture pyrite is present in the porphyry and hornfels.

WORK DONE: Geological mapping, 1:10 000, on Horn 3.

REFERENCE: Assessment Report 9522.

CHAPPELLE AREA (Fig. E-1, NTS 94, No. 91)

LOCATION: Regional Survey. (94D/8, 9, 11; 94E/1 to 3, 6, 7, 11 to 14)
OMINECA and LIARD M.D. Along the eastern margin of the Intermontane Belt, Toodoggone River area.

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

WORK DONE: Geochemical survey, 832 silt samples analysed for gold, silver, copper, lead, and arsenic, covering the entire region.

REFERENCE: Assessment Report 9022.

AS (Fig. E-1, NTS 94, No. 15)

LOCATION: Lat. 56° 30' Long. 126° 17.5' (94D/8W, 9W)
OMINECA M.D. Approximately 3.75 kilometres southeast of Asitka Lake with Goldway Creek flowing through the property.
CLAIM: AS 1 (16 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The claim is underlain by interbedded mafic volcanic rocks of the Takla Group.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 17 silt and 2 rock samples analysed for gold.
REFERENCE: Assessment Report 9275.

DORT (Fig. E-1, NTS 94, No. 12)

LOCATION: Lat. 56° 24.7' Long. 126° 14' (94D/8E)
OMINECA M.D. Approximately 15 kilometres southeast of the northern tip of Sustut Lake, near the headwaters of the Asitka River.
CLAIM: DORT 1 (16 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The property is underlain by (Upper Triassic) Takla Group basic volcanic flows which are cut by a thin layer of argillaceous sedimentary rocks. Quartz veins up to 10 centimetres wide are developed in these sedimentary rocks and contain pyrite and arsenopyrite.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 37 soil and 3 rock samples analysed for gold.
REFERENCE: Assessment Report 9274.

KLI (Fig. E-1, NTS 94, No. 92)

LOCATION: Lat. 56° 30' Long. 126° 08' (94D/8E, 9E)
OMINECA M.D. Approximately 4.5 kilometres south-southwest of Johanson Lake, at the headwaters of Darb Creek.
CLAIMS: KLI (37 units), UTA (3 units).
OWNER: Kennco Explorations, (Western) Ltd.
OPERATOR: VITAL MINES LTD., 1900, 355 Burrard Street, Vancouver V6C 2J2.
METALS: Copper, iron.
DESCRIPTION: A succession of dacitic, andesitic, and possibly more basic volcanic rocks dips at about 20 degrees north-northeast. A near-vertical stockwork of calcite-magnetite veinlets cuts the volcanic rocks. In some sections clots of magnetite occur away from the veinlets. Chalcopyrite occurs chiefly in the veinlets but also disseminated in the country rock.
WORK DONE: Diamond drilling, 4 NQ holes, totalling 602.9 metres, on KLI 4, 6, and 15.
REFERENCES: Mineral Inventory 94D-23; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 302; Assessment Report 9464.

LY (Fig. E-1, NTS 94, No. 13)

LOCATION: Lat. 56° 36.5' Long. 126° 03' (94D/9E)
OMINECA M.D. Approximately 50 kilometres northwest to the southern portion of Thorne Lake, with tributaries from Lay Creek flowing into the property.

CLAIM: LY (12 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claim is totally covered by thick Pleistocene overburden. Float fragments reveal predominance of intermediate to mafic volcanic rocks. Disseminated pyrite and pyrrhotite were found associated with porphyritic andesites.

WORK DONE: Geological mapping, 1:10 000; geochemical survey, 22 silt samples analysed for gold.

REFERENCE: Assessment Report 9277.

SER (Fig. E-1, NTS 94, No. 16)

LOCATION: Lat. 56° 59.5′ Long. 126° 39′ (94D/15E; 94E/2E)
OMINECA M.D. Approximately 11 kilometres due west from the northern end of Fredrikson Lake.

CLAIM: SER (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: Intermediate volcanic rocks and intercalated or interbedded sedimentary rocks are intruded by granitic rocks (Lower Jurassic). The volcanic rocks and associated sedimentary rocks are in contact with cherts, rhyolites, and limestone. Disseminated pyrite and pyrrhotite are common in the east as are large gossans. Minor chalcopyrite and malachite are found in the massive andesites.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 48 silt samples analysed for gold and 6 rock samples analysed for gold, silver, and copper, on Ser.

REFERENCE: Assessment Report 9273.

IKA (Fig. E-1, NTS 94, No. 17)

LOCATION: Lat. 56° 46′ Long. 126° 25′ (94D/16W)
OMINECA M.D. Approximately 15 kilometres south of McConnell Lakes, on the east side of the Ingenika River.

CLAIMS: IKA 1 (8 units), IKA 2 (9 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain by porphyritic andesite and possibly a thin unit of dacite, all part of the Upper Triassic Takla Group. Minor amounts of disseminated pyrite and/or pyrrhotite are common.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 16 silt samples analysed for gold, on both claims.

REFERENCE: Assessment Report 9276.

TOODOGGONE 94E

CHAPPELLE AREA (Fig. E-1, NTS 94, No. 91)

LOCATION: REGIONAL SURVEY (94D/8, 9, 11; 94E/1 to 3, 6, 7, 11 to 14)
Report on this property in Metals section 94D/8, 9, 11.

SWNL (Fig. E-1, NTS 94, No. 18)

LOCATION: Lat. 57° 08.5′ Long. 126° 26′ (94E/1W)
OMINECA M.D. Approximately 14 kilometres northwest of the junction of Fredrikson and LaForce Creeks, with an unnamed creek (south of Delta Creek) running through the property.

CLAIM: SWNL (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The SWNL claim is underlain by Upper Proterozoic sandstones and interbedded quartzites.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 27 soil samples analysed for gold, on east parts of SWNL only.

REFERENCE: Assessment Report 9281.

PINE (FIN) (Fig. E-1, NTS 94, No. 20)

LOCATION: Lat. 57° 13′ Long. 126° 42′ (94E/2)
OMINECA M.D. Approximately 285 kilometres north-northeast of Smithers, 22 kilometres northeast of the north end of Thutade Lake, on the southeast side of Finlay River.

CLAIMS: FIN 1 and 2 (20 units each), FIN 3 (1 unit), FIN 4 (20 units), FIN 5 (8 units), FIN 6 (6 units), FIN 7 (3 units), FIN 8 (6 units), FIN 9 (12 units).

OWNER: B. D. Pearson.

OPERATOR: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Gold, copper.

DESCRIPTION: The property is underlain by Upper Triassic-Lower Jurassic porphyritic dacite flows with minor andesite and basalt intruded by Jurassic granodiorite. Several propylitic and phyllitic zones occur, most intense near centre of property.

WORK DONE: Geological mapping, 1:5000; and linecutting, 1.8 kilometres, on Fin 1-4 and 6; diamond drilling, 10 BQ holes, totalling 980 metres, on Fin 2 and 6; and ground magnetometer survey, 50.7 kilometres, on all claims.

REFERENCES: Mineral Inventory 94E-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 265; Assessment Reports 7750, 8331, 8686.

SER (Fig. E-1, NTS 94, No. 16)

LOCATION: Lat. 56° 59.5′ Long. 126° 39′ (94D/15E; 94E/2E)
Report on this property in Metals section 94D/15E.

AURA (Fig. E-1, NTS 94, No. 94)

LOCATION: Lat. 57° 01′ Long. 126° 38.5′ (94E/2E)
OMINECA M.D. Approximately 200 kilometres north-northeast of Hazelton, on a tributary to Kemess Creek, immediately west of Serrated Peak.

CLAIM: AURA (20 units).

OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.

DESCRIPTION: The property is underlain predominantly by Mid-Jurassic Toodoggone volcanic rocks on the west and Triassic Takla volcanic rocks on the east. The groups are separated by northwest-trending faults. A small quartz diorite plug outcrops just north of the claim group. Toodoggone rocks are dacites, latites, rhyolites, tuffs, breccias, mafic flows, and associated sedimentary rocks; Takla are mainly plagioclase porphyry, augite porphyry, tuffs, and conglomerates.

WORK DONE: Geological mapping, 1:20 000; and geochemical survey, 43 silt samples analysed for copper, lead, zinc, gold, and silver.

REFERENCE: Assessment Report 9006.

MESS (Fig. E-1, NTS 94, No. 93)

LOCATION: Lat. 57° 04.5′ Long. 126° 38.5′ (94E/2E)
OMINECA M.D. Approximately 26 kilometres southeast of the junction of Firesteel and Sturdee Rivers, overlying the northern tip of Kemess Creek.

CLAIMS: MESS 1 (9 units), MESS 2 (12 units), MESS 3 (20 units).

OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Silver, lead, copper, barite.

DESCRIPTION: The property is underlain by Toodoggone volcanic rocks veined by quartz and barite. Minor galena and sphalerite is associated with the barite. Steeply dipping north to northwest-trending faults cut the stratigraphy.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 36 soil and 82 silt samples analysed for gold, silver, copper, lead, and zinc, on all claims.

REFERENCES: Mineral Inventory 94E-73; Assessment Report 8999.

ATTYCELLEY (Fig. E-1, NTS 94, No. 19)

LOCATION: Lat. 57° 05′ Long. 126° 41′ (94E/2E)
OMINECA M.D. Approximately 20 kilometres east of the northern tip of Thutade Lake with Attycelley Creek lying 1 kilometre north of the claims and Kemess Creek lying 3 kilometres south of the claims.

CLAIMS: KEM 1 to 9, AUDREY EAST, AUDREY WEST, AUDRY 1, AUDRY 2 (total 86 units).

OWNERS: 1979 – ABM MINING GROUP INC., 812, 409 Granville Street, Vancouver; 1980 – INCA RESOURCES INC., 206, 595 Howe Street, Vancouver V6C 2T5.

METALS: Lead, zinc, copper.

DESCRIPTION: The property is underlain by a contact zone between volcanic rocks of the Takla Group and Toodoggone volcanic rocks (Triassic) and quartz monzonite rocks (Lower Jurassic).

WORK DONE: 1979 – airborne magnetometer and airborne electromagnetic surveys, 307 kilometres, covering all claims; 1980 – ground electromagnetic survey, 25 kilometres; and geochemical survey, 2 366 soil samples analysed for copper, lead, zinc, arsenic, silver, and gold, on all claims.

REFERENCES: Mineral Inventory 94E-22; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 244; Assessment Reports 6650, 8803, 9038.

FIRESTEEL (Fig. E-1, NTS 94, No. 96)

LOCATION: Lat. 57° 05′ Long. 126° 55′ (94E/2W)
OMINECA M.D. Approximately 10 kilometres southeast of the junction of Firesteel and Sturdee Rivers, lying 1 kilometre west of Finlay River between rapids and Thutade Lake.

CLAIM: FIRESTEEL (18 units).
OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.
METALS: Silver, lead, zinc, copper, gold.
WORK DONE: Geochemical survey, 544 soil samples analysed for silver, lead, and zinc; 257 also analysed for gold and 202 for copper.
REFERENCES: Mineral Inventory 94E-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 482; Assessment Report 9000.

VIP (GRACE) (Fig. E-1, NTS 94, No. 21)

LOCATION: Lat. 57° 10′ Long. 126° 53′ (94E/2W)
OMINECA M.D. Approximately 9.5 kilometres north from the junction of Attycelley Creek and Finlay River.
CLAIMS: GRACE 1 (9 units), GRACE 2 (8 units), GRACE 3 (16 units), GRACE 4 (6 units).
OWNERS: Tunkwa Copper Mines Ltd. and D. R. MacQuarrie.
OPERATOR: TUNKWA COPPER MINES LTD., 206, 595 Howe Street, Vancouver.
METALS: Copper, zinc.
DESCRIPTION: The property is underlain by crystalline marble of the Asitka Group, gneissic biotite metasiltstone of the Takla Group, and intruded by granodiorite and quartz monzonite of the Omineca intrusions. Numerous mineralized skarn zones are noted adjacent to and within the marble.
WORK DONE: Geological mapping, 1:5000, on all claims and 1:2000 on Grace 1; linecutting, 4.2 kilometres; trenching, 120 cubic metres; ground electromagnetic survey, 12.5 kilometres; and geochemical survey, 40 rock and 98 soil samples analysed for multi-elements, all on Grace 1-3.
REFERENCES: Mineral Inventory 94E-47-49; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 265, 266; Assessment Reports 5144, 7649, 9494.

RIGA (Fig. E-1, NTS 94, No. 95)

LOCATION: Lat. 57° 12.5′ Long. 126° 55′ (94E/2W)
OMINECA M.D. Approximately 8 kilometres due north of the Finlay River and Firesteel River junction.
CLAIMS: ACAPULCO (15 units), ACA (12 units), PUL (12 units).
OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver.
METALS: Copper, molybdenum.
DESCRIPTION: The property is underlain by marble and mafic to felsic volcanic rocks that have been intruded by a multiple phase pluton. The rocks are extensively altered and a skarn is present at the intrusive-marble contact. The skarn contains magnetite, actinolite, and iron-magnesium carbonates; rhodonite and manganese oxides occur in veins.
WORK DONE: Geological mapping, 1:2000; and geochemical survey, 35 silt, 190 soil, and 25 rock samples analysed for copper, lead, zinc, molybdenum, gold, and silver, on all claims.
REFERENCES: Mineral Inventory 94E-3-5; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 164; Assessment Reports 9309, 9466.

JOCK (Fig. E-1, NTS 94, No. 97)

LOCATION: Lat. 57° 19′ Long. 126° 55′ (94E/2W, 7W)
OMINECA M.D. Approximately 16 kilometres south of the centre of Toodoggone Lake, with Jock Creek lying 2 kilometres north of the property.

CLAIMS: JOCK 1 and 2 (20 units each), JOCK 3 (18 units), JOCK 4 (8 units), JOCK 5 (4 units).

OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.

DESCRIPTION: The property is underlain by Toodoggone volcanic rocks predominantly feldspar porphyry and crystall lapilli tuffs intruded by quartz monzonite. The volcanic rocks strike mainly northeast and dip northwest.

WORK DONE: Geological mapping, 1:2000; ground electromagnetic survey; and geochemical survey, 103 soil and 92 silt analysed for lead, zinc, copper, silver, and gold and 10 rock samples assayed for lead, zinc, copper, silver, and gold, on all claims.

REFERENCE: Assessment Report 9086.

FIRE (Fig. E-1, NTS 94, No. 22)

LOCATION: Lat. 57° 08′ Long. 126° 58′ (94E/3E, 2W)
OMINECA M.D. Approximately 7 kilometres south-southwest of Drybrough Peak, on the north side of the Firesteel River.

CLAIMS: FIRE 1 (20 units), FIRE 2 (9 units), FIRE 3 (16 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by Upper Triassic volcanic-sedimentary rocks belonging to the Takla Group and intruded by a small dyke thought to be part of the Toodoggone volcanic rocks. A mineralized shear zone was found to contain disseminated to massive granular pyrite and pyrrhotite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 16 silt and 4 soil samples analysed for gold and 8 rock samples analysed for gold, silver, copper, lead, and zinc, on all claims.

REFERENCE: Assessment Report 9272.

SILVER POND (Fig. E-1, NTS 94, No. 30)

LOCATION: Lat. 57° 20′ Long. 127° 14′ (94E/6)
OMINECA M.D. Twenty kilometres west-southwest of Toodoggone Lake and 4 kilometres east of Lawyers Creek.

CLAIMS: SILVER POND, SILVER CREEK (20 units each), SILVER SUN (8 units).

OWNER: C. KOWALL, Millers Landing Road, Bowen Island, V0N 1G0.

METALS: Silver, gold.

DESCRIPTION: The rock outcrops consist of crystal tuff and rhyolite porphyry of the Toodoggone volcanic rocks. The rocks are silicified and contain pyrite with values in gold and silver.

WORK DONE: 1979 – geological mapping, 1:4800; and geochemical survey, 133 soil samples analysed for silver, gold, and mercury and 11 rock samples analysed for silver and gold, on all claims.

REFERENCES: Mineral Inventory 94E-69; Assessment Report 8300.

LASS (Fig. E-1, NTS 94, No. 32)

LOCATION: Lat. 57° 20' Long. 127° 20' (94E/6W)
OMINECA M.D. Approximately 6 kilometres southwest of the Lawyers Creek/Toodoggone River junction; 7 kilometres north of Chappelle Creek.

CLAIMS: LASS 1 and 2 (18 units each), LASS 3 and 4 (9 units each).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by volcanic rocks of undetermined composition in the eastern portion and poorly sorted and poorly rounded arenaceous conglomerates in the western portion of the claims. Gossans occur within the volcanic rocks.

WORK DONE: Geological mapping, 1:10 000, on Lass 1 and 2; geochemical survey, 53 silt samples analysed for gold, on all claims.

REFERENCE: Assessment Report 9392.

EDO (Fig. E-1, NTS 94, No. 35)

LOCATION: Lat. 57° 24' Long. 127° 25' (94E/6W)
LIARD M.D. Two kilometres southwest of Metsantan Lake, 5.5 kilometres north-northeast of Edozadelly Mountain.

CLAIMS: EDO 1 to 4 (totalling 48 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Outcrop is restricted to the Edo 2 claim within the eastern margin of the Intermontane Belt. This area is underlain by northwest-striking Upper Paleozoic to Middle Mesozoic volcanic rocks which are intruded by Lower Jurassic granitic rocks. The southwest segment of the property is underlain by sandstone, chert, tuff, quartzite, and most commonly by a pebble conglomerate, all representing the Tango Creek Formation (Cretaceous).

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 31 silt samples analysed for gold, silver, copper, molybdenum, lead, and zinc, on all claims.

REFERENCE: Assessment Report 9663.

ANT (Fig. E-1, NTS 94, No. 33)

LOCATION: Lat. 57° 26' Long. 127° 16' (94E/6W)
OMINECA M.D. Approximately 8 kilometres northeast of Metsantan Lake, 8.5 kilometres east of Metsantan Creek and Antoine Creek junction.

CLAIMS: ANT 1 to 3 (12 units each).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain by porphyritic dacite flows overlain disconformably by fluviatile sediment derived from underlying volcanic rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 23 silt samples analysed for gold, on all claims.

REFERENCE: Assessment Report 9393.

METSANTAN (Fig. E-1, NTS 94, No. 34)

LOCATION: Lat. 57° 26' Long. 127° 18' (94E/6W)
OMINECA M.D. Located 7 kilometres north-northwest of Tuff Peak, 4.5 kilometres east of the eastern tip of Metsantan Lake.

(94E/6W)

CLAIMS: METSANTAN 1 to 5 (totalling 54 units).

OWNER: LACANA MINING CORP., 312, 409 Granville Street, Vancouver V6C 1T2.

DESCRIPTION: The claims are underlain by feldspar porphyry volcanic rocks of the Lower to Middle Jurassic Toodoggone volcanic rocks. The Metsantan gold breccia consists of variably altered fragments of andesitic feldspar porphyry in greenish clasts 2 to 5 centimetres in diameter cemented by veinlets of quartz and amethyst. A central zone of pinkish silicified trachyte porphyry shows faint fragmental texture.

WORK DONE: Geological mapping, 1:1250; trenching, 3 trenches, totalling 32.5 metres; and geochemical survey, 239 soil and 200 rock samples analysed for gold and silver, all on Metsantan 1 and 2.

REFERENCES: Mineral Inventory 94E-64; *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1980, Paper 1981-1; p. 124; Assessment Report 9084.

METS (Fig. E-1, NTS 94, No. 103)

LOCATION: Lat. 57° 27′ Long. 127° 19′ (94E/6W)
OMINECA and LAIRD M.D. Approximately 21 kilometres north-northwest of the junction of Chappelle Creek and Jellicoe Creek, 6 kilometres northeast of Metsantan Lake.

CLAIMS: METS 1 and 2 (20 units each).

OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta.

DESCRIPTION: The claims are underlain by Toodoggone (Lower Jurassic) volcanic rocks. The Toodoggone volcanic belt hosts the Baker deposit.

WORK DONE: Prospecting, including geochemical survey, 11 soil and 39 silt samples analysed for gold and silver, on both claims.

REFERENCE: Assessment Report 9241.

AL (Fig. E-1, NTS 94, No. 31)

LOCATION: Lat. 57° 28′ Long. 127° 24′ (94E/6W)
LIARD M.D. Three kilometres due north of Metsantan Lake.

CLAIMS: AL 1 to 4 (20 units each), AL 5 and 6 (10 units each), AL 7 and 8 (16 units each).

OWNER: TEXASGULF CANADA LTD., 701, 1281 West Georgia Street, Vancouver.

DESCRIPTION: The property lies within a Mesozoic volcanic arc assemblage consisting of a moderately thick section of feldspar-hornblende porphyry flows and clastic rocks intruded by magnetite-bearing syenite and altered monzonite dykes.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 172 soil samples analysed for copper, lead, zinc, molybdenum, gold, silver, mercury, and arsenic, on Al 1-4, and 6.

REFERENCES: Mineral Inventory 94E-70; Assessment Reports 8128, 9293.

PEL (Fig. E-1, NTS 94, No. 25)

LOCATION: Lat. 57° 17′ Long. 127° 06′ (94E/6E)
OMINECA M.D. Approximately 11 kilometres south of Toodoggone River and Saunders Creek junction, the western tip of Jock Creek running into the property.

CLAIM: PEL 1 (16 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claim is underlain by the middle volcanic member of the Lower Jurassic Toodoggone volcanic rocks. Euhedral pyrite was noted in rhyolite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 10 silt samples analysed for gold and 1 rock sample analysed for gold, silver, copper, lead, and zinc, on Pel 1.

REFERENCE: Assessment Report 9280.

ARTFUL DODGER (Fig. E-1, NTS 94, No. 99)

LOCATION: Lat. 57° 18' Long. 127° 04' (94E/6E)
OMINECA M.D. Approximately 7.5 kilometres south of the Toodoggone River and McClair Creek junction, at the headwaters of Saunders Creek.

CLAIMS: ARTFUL DODGER, JOLLY ROGER Fraction, JOLLY ROGER 2, CAMP, CAMP Fraction (total 34 units).

OWNER: LACANA MINING CORP., 312, 409 Granville Street, Vancouver.

DESCRIPTION: The property is underlain by Toodoggone volcanic rocks.

WORK DONE: Trenching, 129 cubic metres; and geochemical survey, 150 soil and 8 rock samples analysed for gold and silver, on Artful Dodger.

REFERENCE: Assessment Report 9425.

SAUNDERS 162, LAWYERS (Fig. E-1, NTS 94, No. 27)

LOCATION: Lat. 57° 19' Long. 127° 02' (94E/6E)
OMINECA M.D. Approximately 8 kilometres south of Saunders gold-moly property (abandoned), south of Toodoggone Rivers at the headwaters of Saunders Creek.

CLAIMS: GOLDEN NEIGHBOUR 1 to 4 (total 34 units), CAMP 1 (2 units).

OWNER: LACANA MINING CORP., 312, 409 Granville Street, Vancouver.

METAL: Copper.

DESCRIPTION: Toodoggonne volcanic rocks, Lower to Middle Jurassic, are subdivided into a lower, dominantly pyroclastic assemblage of purple agglomerates, tuffs, and dacites, an overlying acidic assemblage of rhyolites, dacites, and quartz feldspar porphyries, and an upper assemblage of dacites and quartz feldspar porphyries.

WORK DONE: Geological mapping, 1:5000; trenching, 5 trenches, 87 metres; ground magnetometer survey, 40 kilometres; and geochemical survey, 670 soil and 116 silt samples analysed for gold and silver, on all claims.

REFERENCES: Mineral Inventory 94E-37; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 460; Assessment Reports 8083, 8445.

PERRY, MASON (Fig. E-1, NTS 94, No. 100)

LOCATION: Lat. 57° 16.5' Long. 127° 10' (94E/6E)
OMINECA M.D. Approximately 25 kilometres northwest of Thutade Lake, with Pau Creek running through the property.

CLAIMS: PERRY 1 and 2 (20 units each), MASON 1 (6 units), MASON 2 (16 units).

OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.

DESCRIPTION: The area is underlain by mafic to intermediate volcanic rocks and fault-bound marble, intruded by a multiple phase pluton. The intrusive contact is silicified and contains several large quartz veins. A skarn zone occurs along the intrusive-marble contact.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 488 soil, 19 silt, and 8 rock samples analysed for gold, silver, copper, lead, and zinc, 52 silt samples also analysed for gold and silver, and 4 for silver, copper, lead, and zinc, on all claims.

REFERENCE: Assessment Report 8434.

SAUNDERS **(Fig. E-1, NTS 94, No. 102)**

LOCATION: Lat. 57° 20' Long. 127° 04' (94E/6E)
OMINECA M.D. Approximately 15 kilometres southwest of McClair Creek/Belle Creek; Saunders Creek runs into property.

CLAIMS: SAUNDERS 1 and 2 (12 units each), SAUNDERS 3 and 4 (20 units each).

OWNER: GOLDEN RULE RESOURCES LTD., 150, 1300 Eighth Street SW, Calgary, Alberta.

METALS: Copper, gold, silver.

DESCRIPTION: The claims are underlain by intermediate to acid volcanic rocks of the Lower Jurassic Toodoggone volcanics.

WORK DONE: Geochemical survey, 30 soil and 40 silt samples analysed for gold and silver, on Saunders 1, 3, and 4.

REFERENCES: Mineral Inventory 94E-17, 40; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 165; Assessment Report 9236.

LAWYERS, NEW LAWYERS **(Fig. E-1, NTS 94, No. 28)**

LOCATION: Lat. 57° 20' Long. 127° 12' (94E/6E)
OMINECA M.D. Located 11 kilometres southwest of the junction of Toodoggone River and Saunders Creek; property straddles Pau Creek in the south and the headwaters of Kadah Creek in the north.

CLAIMS: NEW LAWYERS 1 to 4 (total 48 units), LAW 1 to 3 (total 36 units), BREEZE (10 units), ATTORNEY 2 (4 units), ROAD 1 to 3 (total 31 units), GTW 1 to 3 (8 units each).

OWNERS: Serem Ltd., Kennco Explorations, (Western) Ltd., and Agnico-Eagle Gold Mines Ltd.

OPERATORS: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2 and AGNICO—EAGLE GOLD MINES LTD. and SUDBURY CONTACT, 300, 365 Bay Street, Toronto.

METALS: Silver, gold.

DESCRIPTION: A quartz-bearing andesitic tuff is overlain by a complex package of trachytic rocks including crystal-lapilli, crystal, and welded tuffs. Precious metal mineralization is closely related to zones of abundant silicification — veins, breccias, stockwork, and pervasive silicification. Mineralization consists of electrum, native silver, and argentite in a silicified breccia zone.

WORK DONE: Geological mapping, 1:500, on New Lawyers 1-4; 1:10 000, on Law 1-3; trenching, 14 trenches, 429 metres; and diamond drilling, 18 BQ holes, totalling 2 893 metres, on New Lawyers 1; and geochemical survey, 506 soil samples analysed for gold and silver and 34 silt samples analysed for gold, silver, copper, lead, and zinc, on Law 1 and New Lawyers 1; 97 soil samples analysed for gold and silver, on Breeze.

REFERENCES: Mineral Inventory 94E-66; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 266 (Law, Kodah); Geological Fieldwork, 1982, Paper 1983-1, p. 125; Assessment Reports 2822, 2416, 3837, 3841, 4615, 5106, 5167 (Lawyers), 5825 (New Lawyers), 7703, 8330, 8388, 8443, 9244 (Law, Kodah).

MOOSEHORN, McCLAIR (PIT, WAS) (Fig. E-1, NTS 94, No. 26)

LOCATION: Lat. 57° 26.5' Long. 127° 10' (94E/6E)
OMINECA M.D. Approximately 14 kilometres north-northwest of the junction of McClair Creek and Toodoggone River, approximately 5.4 kilometres north-northeast of Moosehorn and Antoine Louis Creeks.

CLAIMS: MOOSE 1 to 3 (totalling 36 units), JA Fraction, JU Fraction, JM (20 units), JR (5 units), JB (20 units), JS (6 units), SCREE 1 to 3 (totalling 32 units), JK Fraction, JC Fraction, JD (20 units), McCLAIR 1 to 5 (totalling 79 units), HORN 1 and 2 Fractions.

OWNER: 1979 – ENERGEX MINERALS LTD., 900, 850 West Hastings Street, Vancouver; 1980 – TEXASGULF CANADA LTD., 701, 1281 West Georgia Street, Vancouver.

METALS: Zinc, lead, copper.

DESCRIPTION: The claims are underlain by a thick succession of Lower-Middle Jurassic feldspar-hornblende porphyry flows and agglomerates, tuffs, and minor breccias intruded locally by basalt dykes. A broad continuous zone of silicification and quartz veining with local brecciation and shearing is found throughout and contains disseminations and veins of galena, sphalerite, and chalcopyrite.

WORK DONE: 1979 – trenching, 5 trenches, 140.7 cubic metres; sampling, 31 samples taken for gold, silver, copper, lead, zinc, and molybdenum; and geochemical survey, 6 soil samples analysed for lead, zinc, gold, and silver, on Moose 1 and JD; 1980 – geological mapping, 1:5000; and geochemical survey, 20 rock and 667 soil samples analysed for copper, lead, zinc, gold, silver, and mercury, on Moose 1.

REFERENCES: Mineral Inventory 94E-31, 32; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 483; 1973, p. 461; 1974, p. 312; Assessment Reports 3831, 3833, 4063, 4592, 4631, 5072, 8058, 9269.

AIR (Fig. E-1, NTS 94, No. 24)

LOCATION: Lat. 57° 27' Long. 127° 08.5' (94E/6E)
OMINECA M.D. Approximately 11 kilometres northwest of Toodoggone River and Saunders Creek junction, 1 kilometre west of Belle Creek.

CLAIMS: AIR 1 (20 units), AIR 2 (5 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain by felsic tuff and rhyolite of Mesozoic age and are intruded by a feldspar porphyry. Minor amounts of pyrite occur in the rhyolite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 25 silt and 14 soil samples analysed for gold, on both claims; geochemical survey, 4 rock samples analysed for gold, silver, copper, lead, and zinc, on Air 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 483 (Pit 91 and 92); Assessment Report 9282.

OXIDE (Fig. E-1, NTS 94, No. 98)

LOCATION: Lat. 57° 28.5' Long. 127° 09' (94E/6E)
OMINECA M.D. Approximately 35 kilometres southeast of the junction of Stikine River and Chukachida River, overlying Oxide Peak.
CLAIM: OXIDE (20 units).
OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.
DESCRIPTION: The property is underlain by a volcanic complex of subaerial porphyritic flows, tuffs, lapilli tuffs, and dome rocks, all of which are intensely altered along fault-related structures. Pyrite is abundant; some malachite staining has been observed. No economic mineralization has been found.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 34 soil samples analysed for gold, silver, copper, lead, and zinc and 26 silt samples analysed for gold, silver, and copper.
REFERENCE: Assessment Report 8998.

MUL (Fig. E-1, NTS 94, No. 29)

LOCATION: Lat. 57° 30' Long. 127° 00' (94E/6E, 7W, 10W, 11E)
OMINECA M.D. Approximately 100 kilometres northwest of the northern tip of Williston Lake at the headwaters of the Mulvaney Creek.
CLAIMS: MUL 1 (15 units), MUL 2 (10 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
WORK DONE: Prospecting including 1 silt and 13 soil samples analysed for gold, on both claims.
REFERENCE: Assessment Report 9448.

THEBAN (Fig. E-1, NTS 94, No. 38)

LOCATION: Lat. 57° 19' Long. 126° 57' (94E/7W)
OMINECA M.D. Ten kilometres south of the west end of Toodoggone Lake.
CLAIM: ORANGE (20 units).
OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.
METAL: Copper.
DESCRIPTION: Lower Jurassic volcanic feldspar porphyry is intruded successively by hornblende diorite, porphyritic monzonite, and aplite dykes. These are phases of a single pluton believed also to be Lower Jurassic. Pyrite occurs as disseminated grains, chalcopyrite in fractures in quartz monzonite.
WORK DONE: Geochemical survey, 155 soil, 8 silt, and 3 rock samples analysed for copper, lead, zinc, gold, and silver.
REFERENCES: Mineral Inventory 94E-29; Assessment 8574.

TO 2 (Fig. E-1, NTS 94, No. 37)

LOCATION: Lat. 57° 22.5' Long. 126° 57' (94E/7W)
OMINECA M.D. Approximately 8 kilometres southwest of the junction of Toodoggone River and Katharine Creek, with an unnamed creek south of Toodoggone Lake running through the property.
CLAIM: TO 2 (16 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claim is underlain by Lower to Middle Jurassic volcanic rocks of the Toodoggone volcanics. The volcanic rocks are intruded by a granite pluton of unknown size. Quartz veins host pyrite, chalcopyrite, sphalerite, and galena.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 10 silt samples analysed for gold and 3 rock samples analysed for gold, silver, copper, lead, and zinc.

REFERENCE: Assessment Report 9279.

TO 1 (Fig. E-1, NTS 94, No. 36)

LOCATION: Lat. 57° 24.5' Long. 126° 59' (94E/7W)
OMINECA M.D. Approximately 9 kilometres west of the junction of Toodoggone River and Katherine Creek, with Mulvaney Creek running through the property.

CLAIM: TO 1 (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claim group is underlain by mafic volcanic (Lower Jurassic ?) rocks that have been intruded and hydrothermally altered by a granitic pluton.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 8 silt samples analysed for gold.

REFERENCE: Assessment Report 9278.

SILVER REEF (Fig. E-1, NTS 94, No. 23)

LOCATION: Lat. 57° 15' Long. 127° 00' (94E/7W, 2W, 3E, 6E)
OMINECA M.D. Approximately 18 kilometres south-southwest of the west tip of Toodoggone Lake on Toodoggone River, with Jock Creek cutting through the centre of the claim group.

CLAIM: SILVER REEF (16 units).

OWNER: C. KOWALL, Miller Landing Road, Bowen Island V0N 1G0.

DESCRIPTION: Sedimentary rocks of the Asitka Group are overlain by Triassic Takla Group andesites and pyroclastic rocks. These are intruded by Jurassic-Cretaceous Omineca intrusions of granodiorite and quartz monzonite. All of these are unconformably overlain by intercalated Toodoggone volcanic and sedimentary rocks. Upper Cretaceous clastic sedimentary rocks, Sustut Group, are youngest.

WORK DONE: Prospecting.

REFERENCE: Assessment Report 8781.

ARGUS (Fig. E-1, NTS 94, No. 101)

LOCATION: Lat. 57° 20' Long. 127° 00' (94E/7W, 6E)
OMINECA M.D. Approximately 37 kilometres southeast of the settlement of Caribou Hide, lying 7 kilometres south of Toodoggone Lake.

CLAIMS: ARGUS 1 (15 units), ARGUS 2 to 4 (20 units each).

OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.

(94E/8E)

DESCRIPTION: The property is underlain by feldspar porphyry flows, crystal and lapilli tuffs, pyroclastic breccias, lahars, and volcanically derived conglomerate, mudstone, and greywacke probably correlative to the Lower Jurassic Hazelton Group and Toodoggone volcanic rocks. They are intruded by monzonite, syenite, and quartz monzonite of Lower to Middle Jurassic; late mafic dykes cut the entire sequence.

WORK DONE: Geological mapping, 1:20 000; and geochemical survey, 141 silt, 83 soil, and 12 rock samples analysed for gold, silver, copper, lead, and zinc, on Argus 1-4.

REFERENCE: Assessment Report 9001.

PINE (Fig. E-1, NTS 94, No. 39)

LOCATION: Lat. 57° 26′ Long. 126° 10′ (94E/8E)
OMINECA M.D. Approximately 25.7 kilometres south-southeast of the junction of Obo and Finlay Rivers, with a tributary of Bowser Creek flowing through the property.

CLAIMS: BASNETT (20 units), BOFFO (8 units), DAVE'S DELIGHT (3 units).

OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Copper, silver.

DESCRIPTION: The property is underlain by two different groups in possible fault contact: phyllite and calcareous shales near the east and northeast property margins and soft schists and limestone toward the east. A creek paralleling the eastern boundary has exposures of chlorite with quartz stockwork and quartz-calcite breccia; this may mark the fault.

WORK DONE: Geological mapping, 1:5000; linecutting, 3 kilometres; ground electromagnetic survey, 1.5 kilometres, and geochemical survey, 337 soil samples analysed for copper, zinc, lead, and silver, on all claims.

REFERENCES: Mineral Inventory 94E-9; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 109; Assessment Report 9093.

RPM (Fig. E-1, NTS 94, No. 40)

LOCATION: Lat. 57° 32′ Long. 126° 13′ (94E/9E)
OMINECA M.D. Fifteen kilometres southeast of the junction of the Obo and Finlay Rivers, on the northeastern slopes of Mount Basnett.

CLAIMS: DOLLY 1 to 4 (4 units), BAS 1 to 10 (20 units each).

OWNER: P. I. Weishaupt.

OPERATOR: NOLAN RESOURCES LTD., 311, 543 Granville Street, Vancouver.

METALS: Lead, copper, silver.

DESCRIPTION: A 103-metre-thick dolomite bed dipping southwesterly is cut by a series of quartz veins dipping steeply to the west. The veins are 0.2 metre to 13 metres wide and contain varying amounts of pyrite, galena, and tetrahedrite.

WORK DONE: Linecutting, 1.7 kilometres; ground electromagnetic survey, 1.7 kilometres, on Dolly; airborne electromagnetic and magnetometer surveys, 85 kilometres, on Dolly 1-4, Bas 2, 3, 5-7, 9, 10.

REFERENCES: Mineral Inventory 94E-11; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 462; Assessment Reports 8462, 8923.

FOX (Fig. E-1, NTS 94, No. 105)

LOCATION: Lat. 57° 41.5' Long. 126° 22.5' (94E/9W)
OMINECA M.D. Approximately 490 kilometres north-northwest of Prince George, approximately 6 kilometres north of the junction of the Finlay and Obo Rivers.

CLAIMS: FOX 1 and 2 (10 units each).

OWNER: M. BOYLE, 12268 – 99th Avenue, Surrey V3V 2N3.

DESCRIPTION: Regional geology consists of a northwest-trending belt of Cambrian and Ordovician Kechika Group of limestone, phyllite, and calcareous shale and Lower Cambrian Atan Group of limestone, siltstone, dolomite, quartzite, shale, sandstone, and conglomerates.

WORK DONE: Airborne electromagnetic and magnetometer surveys, 3.5 kilometres, on both claims.

REFERENCES: Assessment Reports 5285, 8984.

ERN (Fig. E-1, NTS 94, No. 104)

LOCATION: Lat. 57° 42' Long. 126° 23'
Lat. 57° 36' Long. 126° 16' (94E/9W)
OMINECA M.D. The first location is 6 kilometres north of the Finlay River, covering the ridge between Obo River and Spinel Creek. The second location is between McConnell Pass and Finlay River.

CLAIMS: URN 1 to 4 (44 units), URN 6 to 9 (54 units), URN 10 (15 units), KEC 1 (4 units), KEC 2 (20 units).

OWNER: UNION MINIERE EXPLORATION AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

METALS: Zinc, lead.

WORK DONE: Geochemical survey, 205 soil samples analysed for copper, lead, zinc, and silver, on Urn 1-4, 6-9; geochemical survey, 538 soil samples analysed for copper, lead, zinc, and silver, on Urn 1, Kec 1 and 2.

REFERENCES: Mineral Inventory 94E-55; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 176; Assessment Report 9051.

MOOSE (Fig. E-1, NTS 94, No. 41)

LOCATION: Lat. 57° 35' Long. 127° 10' (94E/11E)
OMINECA M.D. Just east of Moosehorn Lake, between Moosehorn Creek in the west and Midas Creek in the east, 4 kilometres northeast of Harmon Peak.

CLAIMS: MOOSE 1 to 4 (total 76 units).

OWNER: S. YOUNG, 715, 475 Howe Street, Vancouver V6C 3B3.

DESCRIPTION: Volcanic rocks of the Toodoggone volcanics and the Hazelton Group are intruded by granodiorite rocks (Middle Jurassic). The volcanic rocks contain some pyrite, chalcopyrite, and specular hematite.

WORK DONE: 1979 – prospecting.

REFERENCE: Assessment Report 8112.

ADO (Fig. E-1, NTS 94, No. 42)

LOCATION: Lat. 57° 32.5' Long. 127° 26' (94E/11W)
LIARD M.D. Approximately 8.5 kilometres south of the Chukachida River and Lunar Creek junction.

(94E/12)

CLAIMS: ADO 1 and 2 (9 units each).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The claims are underlain by the basal sequence of Toodoggone volcanic rocks consisting of dacite and intermediate volcanic agglomerate.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 1 rock sample analysed for gold, lead, zinc, copper, and silver and 10 silt samples analysed for gold, on both claims.
REFERENCE: Assessment Report 9397.

ARK (Fig. E-1, NTS 94, No. 43)

LOCATION: Lat. 57° 44′ Long. 127° 45.5′ (94E/12)
LIARD M.D. Approximately 7 kilometres northeast of the junction of the Stikine River and Sanabar Creek.
CLAIMS: ARK 1 (12 units), ARK 2 (9 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The property is believed to be underlain by foliated mafic volcanic rocks and intruded by gneissic quartz monzonite.
WORK DONE: Geochemical survey, 1 silt and 36 soil samples analysed for gold, on Ark 1.
REFERENCE: Assessment Report 9398.

BILL (Fig. E-1, NTS 94, No. 106)

LOCATION: Lat. 57° 45′ Long. 127° 45′ (94E/13)
LIARD M.D. Approximately 10 kilometres southeast from Mount Albert Dease, with Park Creek flowing just east from the property.
CLAIMS: BILL 1 (15 units), BILL 2 (12 units), BILL 3 (16 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
DESCRIPTION: The property is underlain by Mississippian (?) metamorphosed sedimentary and volcanic rocks. These have been penetratively deformed and metamorphosed to greenschist grades. Intrusive rocks are absent except for the narrow dykes of diorite and dacite porphyry. Outcrops have been classified into nine mappable rock types.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 86 soil samples analysed for copper, lead, zinc, silver, gold, and arsenic, on all claims.
REFERENCE: Assessment Report 8973.

PARK (Fig. E-1, NTS 94, No. 44)

LOCATION: Lat. 57° 48′ Long. 127° 45′ (94E/13)
LIARD M.D. Approximately 28 kilometres northwest of the junction of Geese Creek and Chukachida River.
CLAIMS: PARK 1 (15 units), PARK 2 (12 units), PARK 3 (15 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The property is underlain by Permian phyllite, chert, and tuffaceous sedimentary rocks and Triassic andesitic-dacitic volcanic rocks which have been intruded by a quartz monzonite-diorite batholith. Gossans formed along the contact.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 53 silt samples analysed for gold, on all claims; and geochemical survey, 2 rock samples analysed for gold, on Park 2.

REFERENCE: Assessment Report 9288.

SK (Fig. E-1, NTS 94, No. 46)

LOCATION: Lat. 57° 51' Long. 127° 47' (94E/13W)
LIARD M.D. Approximately 25 kilometres northwest of where the Stikine River meets the Chukachida River.

CLAIM: SK 1 (12 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are covered by granite of probable Early Jurassic age which have been intruded by an andesite dyke. A small biotite schist occurs with a granodiorite in the southwest portion of the claims. The schist contains cubic pyrite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 16 silt samples analysed for gold.

REFERENCE: Assessment Report 9399.

SHEILA'S, MAGIC, MOUNTAIN (Fig. E-1, NTS 94, No. 107)

LOCATION: Lat. 57° 47' Long. 127° 34' (94E/13E)
LIARD M.D. Approximately 12.5 kilometres due north of the junction of the Stikine and Chukachida Rivers, and approximately 5 kilometres south of the Park Creek headwater area.

CLAIMS: MOUNTAIN, SHEILA'S, MAGIC (20 units each), MOUNTAIN 2 (12 units), MOUNTAIN 3 (18 units).

OWNER: SEREM LTD., 300, 535 Thurlow Street, Vancouver.

DESCRIPTION: The property is underlain by Takla volcanic and sedimentary rocks consisting of subaqueous lapilli crystal tuffs, limestone, sandstone, plagioclase porphyry, and cherts. These are intruded by a multiple phase pluton: quartz monzonites, quartz diorites, and diorites. Numerous amphibolite dykes cut all of these rocks. Pyrite is abundantly disseminated in and adjacent to silicified rocks.

WORK DONE: Geochemical surveys, 408 soil, 17 rock, and 63 silt samples analysed for copper, lead, zinc, gold, and silver, of these 47 soil samples were analysed for molybdenum and 32 for fluorine, on all claims.

REFERENCE: Assessment Report 9335.

WARE 94F

PIK (Fig. E-1, NTS 94, No. 87)

LOCATION: Lat. 57° 00' Long. 124° 15' (94C/16; 94F/1E)
Report on this property in Metals section 94C/16.

REB (Fig. E-1, NTS 94, No. 10)

LOCATION: Lat. 57° 00′ Long. 124° 22′ (94C/16W; 94F/1W)
Report on this property in Metals section 94C/16W.

CT (Fig. E-1, NTS 94, No. 109)

LOCATION: Lat. 57° 07′ Long. 124° 16.5′ (94F/1W)
OMINECA M.D. Approximately 52 kilometres northeast of the junction of Finlay and Akie Rivers, 4 kilometres west of Ospika River.
CLAIMS: CT 1 (20 units), CT 2 (12 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: (Lead, zinc, barite).
DESCRIPTION: The property is underlain by a thick succession of Road River Ordovician-Silurian black shales. Claims were staked to cover a stratiform sulphide-barite horizon. The Road River Formation unconformably overlies rock of the Kechika Group (Cambrian) which in turn is unconformably overlain by dolomitic siltstones (Silurian).
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 235 soil and 15 silt samples analysed for lead, zinc, and barite, on all claims.
REFERENCE: Assessment Report 9243.

WEDGE (PESIKA) (Fig. E-1, NTS 94, No. 46)

LOCATION: Lat. 57° 08′ Long. 124° 25′ (94F/1W)
OMINECA M.D. Approximately 21 kilometres southwest of Sikanni Chief Lake to the north and west of Ospika River.
CLAIMS: PESIKA 1 to 26 (total 281 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: Copper, gold, silver, (barite).
DESCRIPTION: The property is underlain by argillaceous limestone of the Kechika Group (Cambrian-Ordovician), calcareous shale and calcareous volcanic rocks of the Road River Formation (Ordovician-Silurian), dolomitic siltstone, black limestone, and silty calcareous shale of the Besa River Formation (Silurian-Devonian), and shale and argillite including bornite and pyrite of the Gunsteel Formation (Upper Devonian).
WORK DONE: Geological mapping, 1:10 000; linecutting, 10 kilometres; and geochemical survey, 1 884 soil and 212 rock samples analysed for lead, zinc, and barium, on all claims; geochemical survey, 17 silt samples analysed for lead, zinc, and barium, on Pesika 26.
REFERENCES: Mineral Inventory 94F-2; *Minister of Mines, B.C.*, Ann. Rept., 1951, p. 118; Assessment Reports 8329, 9268.

AKI (Fig. E-1, NTS 94, No. 48)

LOCATION: Lat. 57° 13′ Long. 124° 30′ (94F/1W, 2E)
OMINECA M.D. Approximately 250 kilometres west-northwest from Fort St. John, approximately 12 kilometres south of Akie River and lying approximately 10 kilometres northwest of Ospika River.
CLAIMS: AKI 1 (20 units), AKI 3 and 4 (8 units each), GUY 1 (16 units).
OWNER: AQUITAINE CO. OF CANADA LTD., 1700, 555 Fourth Avenue SW, Calgary, Alberta T2P 3J6.

DESCRIPTION: The property is underlain by Kechika Group rocks (Upper Cambrian-Lower Ordovician) which is unconformably overlain by Middle Ordovician-Silurian rocks of the Road River Formation. Several ferruginous gossans are located within a thin horizon of Devonian grey black shales (Gunsteel Formation).
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 992 soil, silt, and rock samples analysed for lead, zinc, silver, and barium.
REFERENCE: Assessment Report 8478.

ERN (Fig. E-1, NTS 94, No. 108)

LOCATION: Lat. 57° 06.5' Long. 124° 34' (94F/2E)
OMINECA M.D. Approximately 3 kilometres west of Pesika Creek.
CLAIMS: ERN 1 (15 units), ERN 2 (20 units), ERN 3 (9 units), ERN 4 (12 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: Lead, zinc, barite.
DESCRIPTION: The claims are underlain by a structurally complex section of the Road River Formation (Ordovician-Silurian) black graphitic-graptolitic shale, siltstone (Silurian), limestone (Middle Devonian), and shale of the Gunsteel Formation (Devonian). Mineralization consists of localized stratiform deposits of barite-sphalerite-pyrite.
WORK DONE: Geological mapping, 1:10 000, and geochemical survey, 50 soil and 50 silt samples analysed for lead, zinc, and barium, on all claims.
REFERENCES: Assessment Report 9267; Mineral Inventory 94F-1.

GNOME (Fig. E-1, NTS 94, No. 50)

LOCATION: Lat. 57° 15' Long. 124° 35' (94F/2E, 7E)
OMINECA M.D. Approximately 25 kilometres west of Sikanni Chief Lake, south of Akie River; large unnamed forks flow northward through claims to river.
CLAIMS: GNOME 1 to 12 (total 148 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.
METALS: (Lead, zinc, barite).
DESCRIPTION: The claims are underlain by argillaceous limestone and calcareous shale of the Kechika Group (Cambrian-Ordovician), calcareous volcanic rocks and calcareous shale of the Road River Formation (Ordovician-Silurian) dolomitic siltstone, shale siltstone, and conglomerate of the Besa River Formation (Silurian), and siliceous shale, argillite, and pyritic shale of the Gunsteel Formation (Devonian) containing massive barite.
WORK DONE: Geological mapping, 1:10 000; linecutting, 10 kilometres; and geochemical survey, 1 142 soil, 28 rock, and 30 silt samples analysed for lead, zinc, and barium.
REFERENCES: Mineral Inventory 94F-16; Assessment Reports 8334, 9722.

PELLY (Fig. E-1, NTS 94, No. 49)

LOCATION: Lat. 57° 16' Long. 124° 43' (94F/2E, 7E)
OMINECA M.D. Approximately 33 kilometres west of Sikanni Chief Lake, approximately 9 kilometres south of Akie River.
CLAIMS: PELLY 1 to 6 (total 94 units).
OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

DESCRIPTION: Preliminary mapping on the Pelly claims has outlined a northwest-trending belt of 'black clastics' which are structurally overlain by thrust panels of Road River Formation graptolitic shales and Kechika Group calcareous phyllites and argillaceous limestones.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 94 soil and silt samples and 12 rock samples analysed for lead, zinc, and barium, on all claims.

REFERENCE: Assessment Report 8451.

PIE (Fig. E-1, NTS 94, No. 51)

LOCATION: Lat. 57° 28' Long. 125° 00' (94F/6E, 7W)
OMINECA M.D. Approximately 35 kilometres east of Kwadacha Mountain; Paul River lies 6 kilometres west of the claim group.

CLAIMS: PIE 1 and 2 (18 units each), PIE 3 (6 units), PIE 4 (8 units), PIE 5 (20 units), PIE 6 and 7 (12 units each), PIE 8 (8 units), PIE 9 (15 units), PIE 10 to 13 (6 units each), PIE 14 to 16 (20 units each), PIE 17 (4 units), PIE 18 (20 units), PIE 19 Fraction, PIE 20 and 21 (3 units each), PIE 22 (5 units), PIE 25 and 26 (6 units each).

OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: Barite, (lead, zinc), copper.

DESCRIPTION: The property is underlain by shales, cherts, siltstones, and limestones of the Ordovician-Silurian Road River Formation, the Silurian Nep Formation of grey micrite, and the Muskwa Formation of siltstones. Above the Silurian are thickly bedded limestones representing a reefal buildup on the edge of a Middle Devonian shale basin. Devonian-Mississippian black clastics host barite-lead-zinc-silver mineralization.

WORK DONE: Geological mapping, 1:10 000; ground electromagnetic survey, 7.4 kilometres; diamond drilling, 6 NQ holes, totalling 1 248.1 metres; and geochemical survey, 17 silt samples analysed for copper, lead, and zinc, 120 soil samples analysed for copper, iron, manganese, zinc, barium, and fluorine and 120 samples analysed for arsenic, iron, manganese, and vanadium, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 267; Assessment Reports 5373, 7506, 8647.

CIRQUE (Fig. E-1, NTS 94, No. 52)

LOCATION: Lat. 57° 30' Long. 125° 10' (94F/6E, 11E)
OMINECA M.D. Approximately 55 kilometres north of the junction of Finlay and Akie Rivers, with tributaries from Kwadacha and Paul Rivers flowing into the property.

CLAIMS: CIRQUE 1 to 8, CIRQUE 11 to 20 (total 698 units).

OWNER: CYPRUS ANVIL MINING CORP., 330, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, barite, silver.

DESCRIPTION: Devonian-Mississippian rocks are preserved in a series of synformal fold keels and thrust plates that form four sinuous, semicontinuous northwest-trending belts. These rocks overlie and overthrust (Upper Cambrian-Silurian) strata belonging to the Kechika Group and the Road River Formation. Mineralization is hosted in the Gunsteel Formation and consists of stratiform barite-sphalerite-galena. Grades of mineralization vary from 6 to 20 per cent combined lead-zinc and from 10 to 100 grams of silver. Drill-indicated reserves are 18 million tonnes containing 2.3 per cent lead and 7.9 per cent zinc with 49 grams per tonne of silver and down-dip geological reserves of an additional 15 million tonnes.

WORK DONE: Geological mapping, 1:2000, on Cirque 1, 2, 4-6; diamond drilling, 27 NQ holes, totalling 10 592 metres, on Cirque 4, 6, 1, 2, 5; and geochemical survey, 4 800 soil samples analysed for lead, zinc, and barium, on all claims.

REFERENCES: Mineral Inventory 94F-8; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 247, E 248; 1979, pp. 267, 327 (barite); Assessment Reports 6743, 6806, 7272, 7579, 8370, 9225.

ELF (Fig. E-1, NTS 94, No. 53)

LOCATION: Lat. 57° 19′ Long. 124° 42′ (94F/7)
OMINECA M.D. Approximately 39 kilometres southwest to the junction of Akie and Finlay Rivers, with Akie River flowing through the north tip of the property.

CLAIMS: ELF 1 and 2 (6 units), ELF 3 (4 units), ELF 4 (10 units), ELF 5 (4 units), ELF 6 (10 units), ELF 7 (4 units), ELF 8 (18 units), ELF 9 (8 units), ELF 10 (8 units), ELF 11 (12 units), ELF 12 (1 unit), ELF 13 (20 units), ELF 14 (20 units), ELF 15 (2 units), ELF 16 (5 units), ELF 17 (3 units), ELF 18 (4 units), ELF 19 (4 units), ELF 21 (3 units).

OWNER: CYPRUS ANVIL MINING CORP., 330, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, silver, barite.

DESCRIPTION: The property is underlain by Lower Devonian to Mississippian sedimentary rocks of the Elf Group: Warneford Formation of shale with minor siltstones, Gunsteel Formation of shale and carbonaceous shale with a barite surface horizon near its base, and Paul River siliceous and graphitic shale.

WORK DONE: Diamond drilling, 10 NQ holes, totalling 4 101.3 metres, on Elf 2, 4, and 5; and geochemical survey, 2 100 soil samples analysed for lead, zinc, and barium, on all claims.

REFERENCES: Mineral Inventory 94F-11; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 246, E 247; 1979, p. 328; Assessment Reports 7271, 7308, 8042, 9138.

FLUKE (Fig. E-1, NTS 94, No. 56)

LOCATION: Lat. 57° 24′ Long. 124° 55′ (94F/7W)
OMINECA M.D. Approximately 40 kilometres north-northeast of Finlay River-Akie River junction, with Del Creek emptying into the property.

CLAIMS: FLUKE 1 (9 units), FLUKE 2 (20 units), FLUKE 3 (15 units), FLUKE 4 (4 units), FLUKE 5 (4 units), FLUKE 6 (4 units), FLUKE 7 (8 units), FLUKE 8 (7 units), FLUKE 9 (4 units), FLUKE 10 (4 units), FLUKE 11 (1 unit).

OWNER: CYPRUS ANVIL MINING CORP., 330, 355 Burrard Street, Vancouver.

METALS: Lead, zinc, silver.

DESCRIPTION: The claims lie within a belt of semicontinuous northwest-trending 'black clastics' (Upper Devonian-Mississippian). Besa River Formation forms the base of the sequence and is conformably overlain by the Gunsteel Formation which is the host rock for all known barite-lead-zinc mineralization in the area. The Warneford Formation unconformably overlies the Gunsteel Formation.

WORK DONE: Diamond drilling, 2 NQ holes, totalling 948.8 metres, on Fluke 1; and geochemical survey, 1 300 soil samples analysed for lead, zinc, and barium, on Fluke 1-5.

REFERENCES: Mineral Inventory 94F-9; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 268; Assessment Reports 7270, 9219.

WIL (Fig. E-1, NTS 94, No. 57)

LOCATION: Lat. 57° 30′ Long. 124° 49′ (94F/7W, 10W)
OMINECA M.D. Between the Akie and Kwadacha Rivers, 44 kilometres due east of Mount Haworth.

CLAIMS: WIL 1 and 2 (8 units each), WIL 3 and 4 (20 units each), WIL 5 and 6 (12 units each), WIL 7 (20 units), WIL 8 and 9 (15 units each), WIL 10 (6 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver.

DESCRIPTION: The property is underlain by a northwesterly plunging synclinorium with exposed Devonian shales in the core. Older rocks outcrop to the northeast and southwest. Similar shales nearby contain important lead and zinc mineral deposits.

WORK DONE: 1979 – geological mapping, 1:50 000; and geochemical survey, 247 soil samples analysed for copper, lead, and zinc, on Wil 9 and 10.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 247; Assessment Report 8316.

AIKIE (Fig. E-1, NTS 94, No. 54)

LOCATION: Lat. 57° 26′ Long. 124° 40′ (94F/7E)
OMINECA M.D. Approximately 35 kilometres west-southwest of Great Snow Mountain, 12 kilometres north of the Akie River.

CLAIMS: AIKIE 1 to 7 (total 101 units), SIKA 1 to 4 (total 76 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

DESCRIPTION: A northwesterly trending belt of 'black clastics' of the Gunsteel Formation and Besa River Formation (Upper Devonian) are folded and overlain by thrust panels of Road River Formation, graptolitic shales, and Kechika Group calcareous phyllites and argillaceous limestone (Cambrian-Ordovician). Massive and modular barite occurs in both the Road River Formation and the Gunsteel Formation.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 1 400 soil and 50 rock samples analysed for lead, zinc, and barium, on all claims.

REFERENCE: Assessment Report 8339.

SUB (Fig. E-1, NTS 94, No. 58)

LOCATION: Lat. 57° 35′ Long. 125° 00′ (94F/10W, 11E)
OMINECA M.D. Approximately 20 kilometres south of the eastern tip of Chesterfield Lake; claims lie south of Kwadacha River, 2 kilometres southwest of the junction of North Kwadacha River and Kwadacha River.

CLAIMS: SUB 1 to 5 (20 units each), SUB 6 (8 units), SUB 7 to 9 (20 units each), SUB 10 (12 units), SUB 11 (16 units), SUB 12 and 13 (20 units each), SUB 14 (8 units), SUB 15 and 16 (6 units each), SUB 17 (8 units).

OWNER: C. Graf.

OPERATOR: NEWMONT EXPLORATION OF CANADA LTD., 1400, 750 West Pender Street, Vancouver V6C 1K3.

DESCRIPTION: The property is mostly drift and swamp covered with only about 1 per cent outcrop. Outcrop consists of black shales of the Devonian Gunsteel-Akie Formations. Some bedded pyrite and minor sphalerite was found.

WORK DONE: Geological mapping, 1:10 000; gravity survey, 8 kilometres; airborne electromagnetic and airborne magnetometer survey, 497 kilometres; and geochemical survey, 2 389 soil samples analysed for copper, lead, zinc, silver, and barium and 67 rock samples analysed for lead, zinc, silver, and barium, on all claims.

REFERENCE: Assessment Report 9004.

KWAD (Fig. E-1, NTS 94, No. 62)

LOCATION: Lat. 57° 38' Long. 125° 15' (94F/11)
OMINECA M.D. Approximately 10 kilometres east from the junction of Kwadacha and Warneford Rivers, with Kwadacha River flowing through the northern portion of the claims.

CLAIMS: KWAD 1 to 24 (total 332 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 2P2.

DESCRIPTION: A northwest-trending belt of 'black clastics' is structurally overlain by several thrust panels of Silurian siltstone and Road River Formation graptolitic shales. The Devonian 'black clastics' succession is divisible into a basinal Besa River Formation and a platformal Gunsteel Formation.

WORK DONE: Geological mapping, 1:10 000, on Kwad 1-8, 14, 15, 17, 18; geochemical survey, 172 soil, 3 silt, and 25 rock samples analysed for lead, zinc, and barium, on Kwad 9 and 10; geochemical survey, 625 soil and silt and 15 rock samples analysed for lead, zinc, and barium, on Kwad 1-8.

REFERENCES: Assessment Reports 8449, 8846.

FERN (Fig. E-1, NTS 94, No. 60)

LOCATION: Lat. 57° 32' Long. 125° 08' (94F/11E)
OMINECA M.D. Approximately 15 kilometres southwest of the junction of North Kwadacha River and Kwadacha River.

CLAIMS: FERN 1 to 8 (total 16 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver V6C 2P2.

DESCRIPTION: Preliminary mapping outlined a northwest-trending belt of 'black clastics' unconformably overlying Middle Devonian limestone and structurally overlain by thrust panels of Road River Formation and Silurian siltstone.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 17 soil, 1 silt, 10 rock, and 4 heavy mineral samples analysed for lead, zinc, and barium, on all claims.

REFERENCE: Assessment Report 8450.

RIDGE (Fig. E-1, NTS 94, No. 59)

LOCATION: Lat. 57° 33' Long. 125° 08' (94F/11E)
OMINECA M.D. Approximately 19 kilometres southeast of the southern tip of Chesterfield Lake and approximately 11 kilometres east of Mount Yuen.

CLAIMS: RIDGE 1 and 2 (20 units each), RIDGE 3 (4 units), RIDGE 4 (18 units).
OWNER: C. Graf.
OPERATOR: BP MINERALS LTD., 1007, 1111 West Hastings Street, Vancouver.
DESCRIPTION: The property is underlain by shales of the Gunsteel Formation with cherts, dolomitic siltstones, and limestone. Minor sphalerite was found in fractures in limestone turbidites. Very minor modular barite was found in talus below an outcrop of siliceous shaly rhythmite.
WORK DONE: Geological mapping, 1:20 000, 1:50 000; and linecutting, 31.4 kilometres, on all claims; geochemical survey, 85 silt and 343 soil samples analysed for lead, zinc, and pH, on Ridge 1, 2, and 4 and 18 rock samples analysed for lead, zinc, and pH, on Ridge 1 and 2.
REFERENCE: Assessment Report 9440.

WINDY (Fig. E-1, NTS 94, No. 66)

LOCATION: Lat. 57° 55′ Long. 125° 45′ (94F/13)
LIARD M.D. Nineteen kilometres north of the middle of Weissener Lake, on the west shores of the lakes making up the South Gataga River.
CLAIMS: WHITE ALBUM (18 units), WINDY (20 units).
OWNER: Welcome North Mines Ltd.
OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro and Assoc., 1016, 510 West Hastings Street, Vancouver V6B 1L8.
DESCRIPTION: The area lies within the Kechika trough and sedimentary rocks vary in age from Cambrian to Late Mississippian. Upper Devonian siliceous and pyritic black shales are host to stratiform barite and barite-lead-zinc deposits in the area.
WORK DONE: Geochemical survey, 587 soil samples analysed for copper, lead, zinc, and silver, on both claims.
REFERENCE: Assessment Report 8536.

RYTE (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 67)

LOCATION: Lat. 57° 56′ Long. 125° 47′ (94F/13W)
OMINECA and LIARD M.D. Approximately 20 kilometres north-northwest of the middle of Weissener Lake, 2.5 kilometres west of South Gataga River.
CLAIMS: RYTE (20 units), IF (5 units), SEABITER (12 units).
OWNER: Welcome North Mines Ltd.
OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro and Assoc., 1016, 510 West Hastings Street, Vancouver V6B 1L8.
DESCRIPTION: The oldest units are mudstone and shale with thin interbeds of pyritic siltstone of the Besa River Formation (Middle Devonian). These are conformably overlain by pyritic, siliceous black shale of the Upper Devonian Gunsteel Formation.
WORK DONE: Geological mapping, 1:20 000; and geochemical survey, 152 soil and silt samples analysed for copper, lead, zinc, and silver, on all claims.
REFERENCES: ***B.C. Ministry of Energy, Mines & Pet. Res.***, Exploration in B.C., 1978, p. E 251; Assessment Report 8537.

BEAR (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 68)

LOCATION: Lat. 57° 58′ Long. 125° 48′ (94F/13W)
OMINECA and LIARD M.D. Approximately 61 kilometres north-northwest of Ware, 6 kilometres northwest of Gataga Lakes.

CLAIMS: BEAR (20 units), SI (18 units).

OWNER: Welcome North Mines Ltd.

OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro & Assoc., 1016, 510 West Hastings Street, Vancouver V6B 1L8.

METALS: Lead, zinc, barite.

DESCRIPTION: The property is underlain by carbonaceous, calcareous pelitic rocks of the Road River Group (Ordovician-Lower Devonian), chert pebble conglomerate, grit, and mudstone turbidites of the Besa River Formation (Middle Devonian), and pyrite and siliceous and non-siliceous black shale of the Gunsteel Formation (Upper Devonian). The Gunsteel rocks include thin beds of galena, pyrite, sphalerite, and barite interbedded with cherty rocks thought to be of submarine exhalative origin.

WORK DONE: Diamond drilling, 4 NQ holes, totalling 694.1 metres and 1 BQ hole, totalling 128.5 metres, on Bear.

REFERENCES: Mineral Inventory 94F-14; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 251; 1979, p. 269; Assessment Report 8626.

TAGA (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 112)

LOCATION: Lat. 57° 59′ Long. 125° 50′ (94F/13W)
LIARD and OMINECA M.D. Approximately 27 kilometres north of the most western tip of Weissener Lake, approximately 15 kilometres northeast of Mount Josefina.

CLAIMS: TAGA 3 and 4 (16 units each), BOB 5 (14 units).

OWNERS: Castlemaine Exploration Ltd. and Getty Canadian Metals Ltd.

OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro & Assoc., 1016, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The property is underlain by black shales of the Road River (Ordovician) Formation overlain by Silurian dolomitic and ankeritic siltstones and mudstones and limestones. Besa River turbidites and chert conglomerate unconformably overlie the older rocks. The Gunsteel Formation (pyritic and black shale) conformably overlie the Besa River Formation.

WORK DONE: Geological mapping, 1:5000, on all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 251; 1979, p. 269; Assessment Report 9395.

DOG, CAT (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 69)

LOCATION: Lat. 57° 59′ Long. 125° 52′ (94F/13W; 94K/4W)
LIARD M.D. Twelve kilometres northwest of Gataga Lakes, 9 kilometres southeast of Driftpile Creek.

CLAIMS: DOG (16 units), CAT (14 units).

OWNER: Welcome North Mines Ltd.

OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro & Assoc., 1016, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The oldest lithologies are Ordovician to Lower Devonian pelitic rocks. These are unconformably overlain by Middle Devonian, Besa River, chert pebble conglomerate and chert granule grit. These are conformably overlain by pyritic black shale, siliceous, of the Upper Devonian Gunsteel Formation. Sulphides are associated with this formation.

WORK DONE: Geological mapping, 1:20 000; and geochemical survey, 7 soil samples analysed for copper, lead, zinc, and silver, on both claims.

REFERENCE: Assessment Report 8623.

FOX (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 111)

LOCATION: Lat. 58° 00′ Long. 125° 48′ (94F/13W; 94K/4W)
LIARD M.D. Seven kilometres northwest of Gataga Lakes, 6 kilometres southeast of the headwaters of Driftpile Creek.

CLAIMS: TROT (6 units), FOX (20 units), APPLE SCRUFFS (4 units).

OWNER: Welcome North Mines Ltd.

OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro and Assoc., 1016, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The property is underlain by Cambrian to Lower Mississippian sedimentary rocks. Upper Devonian siliceous and pyritic black shales are host to numerous stratiform barite and barite-lead-zinc deposits in the area.

WORK DONE: Geochemical survey, 43 soil, silt, and rock samples analysed for copper, lead, zinc, and silver, on all claims.

REFERENCE: Assessment Report 8619.

BOB (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 114)

LOCATION: Lat. 58° 00′ Long. 125° 50′ (94K/4W; 94F/13W)
Report on this property in Metals section 94K/4W.

PORKY (Fig. E-1, NTS 94, No. 64)

LOCATION: Lat. 57° 51′ Long. 125° 33′ (94F/13E)
OMINECA M.D. Forty-eight kilometres north-northeast of Ware, between Weissener Creek and the headwaters of Joe Poole Creek.

CLAIMS: PORKY 2 to 7 (total 86 units).

OWNER: CHEVRON CANADA LTD., 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: The property is underlain by a segment of the Gunsteel Formation (Middle Devonian age) black carbonaceous shale that is favourable to lead-zinc-barite mineralization.

WORK DONE: Linecutting, 21.15 kilometres; and geochemical survey, 432 soil, 17 rock, 1 silt, and 1 water sample analysed for lead, zinc, and silver and some for cobalt, on Porky 2, 5-7.

REFERENCE: Assessment Report 8555.

LARD (Fig. E-1, NTS 94, No. 63)

LOCATION: Lat. 57° 55′ Long. 125° 39′ (94F/13E)
LIARD and OMINECA M.D. Fifty-five kilometres north of Ware, between South Gataga River and Weissener Creek.
CLAIMS: LARD 2 to 5 (total 50 units), PORKY 8 to 10 (total 39 units).
OWNER: CHEVRON CANADA LTD., 901, 355 Burrard Street, Vancouver V6C 2G8.
DESCRIPTION: The property is underlain by a segment of the Gunsteel Formation (Middle Devonian age) black carbonaceous shale that is favourable to lead-zinc-barite mineralization.
WORK DONE: Linecutting, 23.74 kilometres; and geochemical survey, 527 soil, 2 silt, and 41 rock samples analysed for lead, zinc, and silver and some for cobalt, on all claims.
REFERENCE: Assessment Report 8554.

RED (Fig. E-1, NTS 94, No. 110)

LOCATION: Lat. 57° 58′ Long. 125° 44′ (94F/13E)
LIARD M.D. Approximately 64 kilometres north from Ware, with a tributary from the South Gataga River running through the middle of the property.
CLAIMS: RED 1 to 6.
OWNER: J. Schussler.
OPERATOR: AJM EXPLORATIONS LTD., 203, 1209 East Fourth Street, Vancouver V7J 1G8.
DESCRIPTION: The property is underlain by a structurally complex sequence of Besa River Formation (Middle Devonian) gritty black shales with interbeds of siltstone or conglomerate. A large iron oxide gossan occurs immediately north of the collar of the present drill hole.
WORK DONE: Diamond drilling, 1 NQ hole, totalling 193.6 metres, on Red 3.
REFERENCES: Assessment Reports 5232, 8742.

SPA (Fig. E-1, NTS 94, No. 65)

LOCATION: Lat. 57° 58′ Long. 125° 45′ (94F/13)
LIARD M.D. Approximately 26 kilometres due north of the middle of Weissener Lake, south of the lakes which form part of the South Gataga River.
CLAIMS: SA 1 to 3 (20 units each), SA 4 (12 units).
OWNER: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver.
METAL: Zinc.
DESCRIPTION: A monoclinal, west-dipping section of barite and pyritic shales and siltstones of the Devonian Gunsteel Formation.
WORK DONE: Diamond drilling, 1 NQ hole, totalling 246 metres, on SA 1.
REFERENCES: Mineral Inventory 94F-3; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 167; Assessment Report 8401.

TREE (Fig. E-1, NTS 94, No. 70)

LOCATION: Lat. 57° 49′ Long. 125° 28′ (94F/14W)
OMINECA M.D. Forty-six kilometres north-northeast of Ware, west of the headwaters of Joe Poole Creek.

CLAIMS: TREE (15 units), LAKE (12 units), CAN (20 units), PORKY (16 units), LARD (12 units), FAT (12 units).

OWNER: CHEVRON CANADA LTD., 901, 355 Burrard Street, Vancouver V6C 2G8.

DESCRIPTION: The property is underlain by a segment of the Gunsteel Formation (Middle Devonian age) black carbonaceous shale that is favourable to lead-zinc-barite mineralization.

WORK DONE: Linecutting, 23.15 kilometres; and geochemical survey, 473 soil, 5 rock, and 1 silt sample analysed for lead, zinc, and silver and some for cobalt, on all claims.

REFERENCE: Assessment Report 8556.

TUCHODI LAKES 94K

DOG, CAT (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 69)

LOCATION: Lat. 57° 59′ Long. 125° 52′ (94F/13W; 94K/4W)
Report on this property in Metals section 94F/13W.

FOX (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 111)

LOCATION: Lat. 58° 00′ Long. 125° 48′ (94F/13W; 94K/4W)
Report on this property in Metals section 94F/13W.

BOB (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 114)

LOCATION: Lat. 58° 00′ Long. 125° 50′ (94K/4W, 94F/13W)
LIARD M.D. Approximately 85 kilometres southwest of the Racing River and Wokkpash Creek junction, about 10 kilometres south of Driftpile Creek headwaters.

CLAIMS: BOB 1 (12 units), BOB 2 (20 units), BOB 3 (20 units), BOB 4 (16 units), BOB 7 (6 units), HAWK (12 units).

OWNER: Getty Canadian Metals Ltd. and Castlemaine Exploration Ltd.

OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro and Associates, 1016, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION. The area is underlain by a series of sedimentary rocks ranging in age from Cambrian to Early Mississippian (Late Devonian). Siliceous and pyritic black shales are host to numerous stratiform barite-lead-zinc deposits in the area.

WORK DONE: Geochemical survey, 1 829 soil samples analysed for copper, lead, and zinc, on Bob 1-4, 7, and Hawk.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 251, Assessment Report 9394.

HAT (Fig. E-1, NTS 94, No. 71)

LOCATION: Lat. 58° 01′ Long. 125° 55′ (94K/4W)
LIARD M.D. Approximately 49 kilometres southwest of Churchill Peak; claims lie 22 kilometres southwest of the junction of Gataga and South Gataga Rivers.

CLAIMS: HAT (18 units), MARITA (8 units), CRUEL SHOES (6 units).

OWNER: WELCOME NORTH MINES LTD., 1027, 470 Granville Street, Vancouver.

DESCRIPTION: The Gunsteel Formation (Upper Devonian) which hosts potentially economic lead-zinc occurrences on nearby claims is exposed as two narrow belts on the Marita, Hat, and Cruel Shoes claim groups. Limonitic gossans are located along the northwestern belt.

WORK DONE: Geological mapping, 1:20 000, on all claims.

REFERENCE: Assessment Report 8622.

P, D (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 73)

LOCATION: Lat. 58° 04' Long. 125° 55' (94K/4W)
LIARD M.D. Southwest of Gataga River, on the upper reaches of Driftpile Creek.

CLAIMS: D 2, 4, 6, 8, 10, 12, 14, 16, 18, 19 to 34, 37 to 48, P 2, 4, 6, 8, 19 to 32, 34, 37, 39, 41, 43, 45, 47, 49, 51, GOOF 1, 2, 4, 5 Fractions.

OWNER: Placer Development Ltd.

OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro and Associates, 1016, 510 West Hastings Street, Vancouver V6B 1L8.

METALS: Barite, zinc, lead.

DESCRIPTION: Stratiform barite, pyrite, lead, and zinc mineralization occurs in Upper Devonian siliceous black shales of Gunsteel Formation. Diamond drilling has outlined the presence of two such horizons over a strike length of 2.5 kilometres on the claims.

WORK DONE: Diamond drilling, 10 NQ holes, totalling 2 020 metres, on P 18, D 28, and D 26.

REFERENCES: Mineral Inventory 94K-66, 76; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 251; 1979, p. 269; Assessment Reports 5359, 5812, 6666, 6896, 7149, 7658.

SAINT (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 113)

LOCATION: Lat. 58° 07' Long. 125° 58' (94K/4W)
LIARD M.D. Approximately 17 kilometres southwest of the Gataga River and South Gataga River junction, approximately 4 kilometres north of Driftpile Creek.

CLAIMS: SAINT 1 (20 units), SAINT 3 (12 units), FLACO (4 units).

OWNERS: Getty Canadian Metals Ltd. and Castlemaine Exploration Ltd.

OPERATORS: AQUITAINE CO. OF CANADA LTD., CHEVRON CANADA LTD., GETTY MINES LTD., WELCOME NORTH MINES LTD., and CASTLEMAINE EXPLORATION LTD., c/o Archer, Cathro and Associates, 1016, 510 West Hastings Street, Vancouver V6B 1L8.

DESCRIPTION: The Upper Devonian Gunsteel Formation, which hosts potential economic stratiform barite-lead-zinc, is exposed in the central part of the claim area in an area of complex structural geology. Numerous limonitic gossans are located along the mapped extent of the baritic, pyritic, and cherty sedimentary rocks which occur in the belt.

WORK DONE: Geological mapping, 1:5000; on Saint 1, 3, and Flaco.

REFERENCE: Assessment Report 9396.

ROEN **(Fig. E-1, NTS 94, No. 74)**

LOCATION:	Lat. 58° 07.5' Long. 126° 00' (94K/4W, 94L/1E) LIARD M.D. Approximately 200 kilometres southwest of Fort Nelson, Braid Creek empties into the property.
CLAIMS:	ROEN 1 (12 units), ROEN 2 (20 units).
OWNER:	SEREM LTD., 300, 535 Thurlow Street, Vancouver.
METALS:	Lead, zinc, silver, barite.
DESCRIPTION:	The property is underlain by Devonian-Missisisippian Gunsteel Formation, predominantly thin-bedded, light to dark grey shales with some mudstone and argillite. Some silver-weathering shale contains blebs and nodules of barite.
WORK DONE:	Linecutting; and geochemical survey, 162 soil samples analysed for lead, zinc, copper, and silver, on Roen 1.
REFERENCES:	Mineral Inventory 94K-68; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 251; 1979, p. 329; Assessment Reports 6881, 7328, 9150.

CTV **(Fig. E-1, NTS 94, No. 75)**

LOCATION:	Lat. 58° 25' Long. 124° 23' (94K/8W) LIARD M.D. Approximately 12 kilometres north of Mount Hentig, approximately 32 kilometres south-southeast of Summit Lake maintenance camp.
CLAIMS:	REP 1 to 9 (9 units each).
OWNER:	UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver.
METALS:	Barite, lead, zinc.
DESCRIPTION:	The area is underlain by sedimentary rocks of Middle to Early Devonian to Mississippian age believed to include Wokpash, Stone, Dunedin, Besa River, and Prophet Formations. Mapping is not yet detailed enough to distinguish separate formations. Mineralization is barite-sphalerite-galena, minor tetrahedrite, and diorite in fetid Dunedin and Stone limestones.
WORK DONE:	Geological mapping, 1:50 000; and geochemical survey, 23 rock and 242 silt samples analysed for lead, zinc, silver, and cadmium, on Rep 1-4.
REFERENCES:	*B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 491; Mineral Inventory 94K-59-61, Assessment Report 9202.

KECHIKA 94L

ROEN **(Fig. E-1, NTS 94, No. 74)**

LOCATION:	Lat. 58° 07.5' Long. 126° 00' (94K/4W, 94L/1E) Report on this property in Metals section 94K/4W.

X **(Fig. E-1, NTS 94, No. 76)**

LOCATION:	Lat. 58° 12' Long. 126° 08' (94L/1E) LIARD M.D. Approximately 62 kilometres southeast of the junction of the Kechika and Gataga Rivers; approximately 15 kilometres northeast of the junction of Braid Creek and Kechika River.
CLAIMS:	XW (18 units), XM (10 units), SKY (20 units), BLUE (15 units), XN (10 units), XL (18 units), XK (20 units), XJ (20 units), XG (4 units).

OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver.

METALS: (Zinc, barite).

DESCRIPTION: The property is underlain by black graphitic shales of the Road River and Gunsteel Formations (Upper Paleozoic). The rocks are folded into a series of anticlines-synclines. The shales are pyritic and some barite and smithsonite are evident.

WORK DONE: Geological mapping, 1:5000; linecutting, 70.7 kilometres; and geochemical survey, 1 433 soil samples analysed for lead, zinc, silver, copper, and molybdenum and 22 rock samples analysed for lead, zinc, barium, and silver and 5 of these also analysed for gold, on all claims.

REFERENCES: Mineral Inventory 94L-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 219; 1978, p. E 252; 1979, p. 270; Assessment Reports 6689, 8172, 9341.

LINDA, WEST (Fig. E-1, NTS 94, No. 77)

LOCATION: Lat. 58° 13′ Long. 127° 10′ (94L/3E)
LIARD M.D. Approximately 140 kilometres southeast of Watson Lake, 19 kilometres southeast of Pop Lake and approximately 5 kilometres west of Frog River.

CLAIMS: WEST 1 to 6 (20 units each), WEST 7 (10 units).

OWNER: COMINCO LTD., 700, 409 Granville Street, Vancouver.

METALS: Copper, lead, zinc, silver.

DESCRIPTION: Narrow lenses of pyrite, galena, and sphalerite occur in micaceous and calcareous quartzites and pelitic schists subjacent to the Cassiar batholith.

WORK DONE: Ground magnetometer survey, 12 kilometres; and gravity survey, 9.5 kilometres, on West 1.

REFERENCES: Mineral Inventory 94L-1; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 270, 271; Assessment Reports 467, 2336, 2995, 7523, 8549.

ROUGH (Fig. E-1, NTS 94, No. 78)

LOCATION: Lat. 58° 17′ Long. 126° 10′ (94L/8E)
LIARD M.D. South of the Gataga River, 18 kilometres due east of Mount New.

CLAIMS: ROUGH 1 to 9 (total 130 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: RIO TINTO CANADA EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

METALS: (Zinc, barite).

DESCRIPTION: The Rough claims are underlain by a package of thrust-faulted Paleozoic shales, siliceous and baritic shales, and fine-grained siltstones. Brecciated chert and minor shales, cut by quartz veins, host some crystalline yellow sphalerite.

WORK DONE: 1979 and 1980 – geological mapping, 1:25 000; and geochemical survey, 20 silt samples analysed for lead, zinc, and silver, on parts of all claims.

REFERENCES: Mineral Inventory 93L-11; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1977, p. E 220, 1978, p. E 252; 1979, p. 271; Assessment Reports 6454, 6997, 8169.

MAT (Fig. E-1, NTS 94, No. 79)

LOCATION: Lat. 58° 43′ Long. 126° 49′ (94L/10W)
LIARD M.D. The property lies 5 kilometres west of Netson Lake, just east of the headwaters of Matulka Creek.

CLAIMS: MAT 1 (20 units), MAT 2 (6 units), MAT 3 (9 units), MAT 4 (16 units).

OWNER: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver.

DESCRIPTION: A fault is presumed to separate Road River dolomite and siltstone from Besa River shale.

WORK DONE: Geochemical survey, 878 soil samples analysed for lead, zinc, and silver and 127 of these also analysed for copper, on all claims.

REFERENCE: Assessment Report 8379.

RABBIT RIVER 94M

BOYA (Fig. E-1, NTS 94, No. 80)

LOCATION: Lat. 59° 16′ Long. 127° 30′ (94M/3W, 4E, 5E, 6W)
LIARD M.D. Twelve kilometres north-northeast of the junction of the Kechika and Turnagain Rivers, 6 kilometres west of Graveyard Lake.

CLAIMS: BOYA 1 and 2 (10 units each), BOYA 3 and 4 (20 units each), BOYA 5 (6 units), BOYA 6 (2 units), BOYA 7 (16 units), BOYA 8 (9 units), BB 1 Fraction, PETER POND (9 units), SAMUEL BLACK (9 units), PETER OGDEN (12 units), DAVID THOMPSON (12 units), ALEXANDER MacKENZIE (15 units), SAMUEL HEARNE (6 units), JOHN FINLAY (4 units), ROBERT CAMPBELL (6 units), SIMON FRASER (12 units), JAMES DOUGLAS Fraction, GEORGE SIMPSON Fraction, JOHN McLEOD (9 units), EDWARD SMITH (9 units), WILLIAM McGILLIVRAY (9 units), PETER DEASE (6 units), MURDOCK McPHERSON (9 units), HB COY Fraction, XY COY Fraction, NW COY Fraction, WILLIAM McELHANNEY Fraction, CAMELFOOT Fraction.

OWNER: KIDD CREEK MINES LTD. (formerly Texasgulf Canada Ltd.), 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Molybdenum, tungsten.

DESCRIPTION:

Several zones of mineralization are exposed over a northwesterly trending ridge for a length of over 2 500 metres. Molybdenite is best observed in the Main Face showing. Other (dominantly tungsten) showings include: West Hill, Nighthawk Hill, and Paint Can Hill.

A complex stock of quartz-biotite-feldspar porphyry has intruded a sequence of (presumed) Lower Paleozoic metasedimentary rocks which include in apparent stratigraphic sequence (oldest to youngest): 'porcellanite' (thinly banded skarnified siltstones), skarn (diopside-quartz-garnet-pyrrhotite-scheelite-molybdenite), volcanic tuffs, and massive limestone. An intense quartz stockwork has developed within the intrusive rock and also in hornfels. Alteration includes intense sericitization and biotitization. Mineralization occurs as two distinct types:

(1) ribbon-banded molybdenite-bearing quartz veins (no rosettes) with minor scheelite and chalcopyrite and trace bismuthinite, galena, and sphalerite in quartz-biotite-feldspar porphyry and adjacent hornfels, and

(2) stratigraphically controlled skarn with disseminated and semi-massive pyrrhotite and lesser chalcopyrite in pods. Scheelite and minor amounts of molybdenite also occur within the skarnified beds.

WORK DONE: Diamond drilling, 8 BQ holes, totalling 2 227 metres; and geochemical survey, 132 soil samples analysed for copper, molybdenum, tungsten, lead, and zinc, on Boya 1 and 7.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 254, E 255; 1979, p. 271; Assessment Reports 7252, 7419, 7431, 7915, 8008, 8024, 8081, 9299.

RED (Fig. E-1, NTS 94, No. 81)

LOCATION: Lat. 59° 29′ Long. 127° 45′ (94M/5)
LIARD M.D. Approximately 4 kilometres due west of the junction of the Kechika and Red Rivers, mostly lying on the northern shore of the Red River.

CLAIM: RED 1 (20 units).

OWNER: SULPETRO MINERALS LTD. (formerly St. Joseph Explorations Ltd.), 5, 970 Laval Crescent, Kamloops V2C 5P5.

DESCRIPTION: The property is underlain by a variety of mudstones, siltstones, calciturbidites, and immature sandstones (Cambrian-Silurian). Sparse galena, sphalerite, and chalcopyrite occur in veins and fracture fillings.

WORK DONE: Geological mapping, 1:5000; linecutting, 21 kilometres; airborne electromagnetic survey, 258 kilometres; and geochemical survey, 380 soil and 42 rock samples analysed for lead, zinc, copper, and silver, on Red 1.

REFERENCE: Assessment Report 9325.

ZEP (Fig. E-1, NTS 94, No. 82)

LOCATION: Lat. 59° 24′ Long. 128° 00′ (94M/5W; 104P/8E)
LIARD M.D. Approximately 17 kilometres southwest of the junction of Kechika and Red Rivers, with the Red River running through the northerly claims and the most southerly encompassing Aeroplane Lake.

CLAIMS: ZEP 1 to 12 (240 units).

OWNER: SULPETRO MINERALS LTD. (formerly St. Joseph Explorations Ltd.), 5, 970 Laval Crescent, Kamloops V2C 5P5.

DESCRIPTION: The underlying rocks consist of quartz pebble conglomerate, greywacke, limestone, dolomite, chlorite schist, graphic phyllite, and slaty siltstones. The rocks are variable and metamorphosed. Pervasive hematization and fault breccias are spatially related to faults and linear features subsidiary to the Tintina fault.

WORK DONE: Geological mapping, 1:10 000; linecutting, approximately 95 kilometres; airborne electromagnetic and airborne magnetometer surveys, 617 kilometres; and geochemical survey, 901 soil samples analysed for lead, zinc, copper, and silver, on all claims.

REFERENCE: Assessment Report 9307.

PEG, ROSS, JW **(Fig. E-1, NTS 94, No. 83)**

LOCATION: Lat. 59° 34' Long. 127° 45' (94M/12)
LIARD M.D. Approximately 9.5 kilometres west-northwest of the Kitza Creek, Kechika River junction between Wadin Creek and Kitza Creek.

CLAIMS: PEG 1 to 5 (20 units each), ROSS 1 and 2 (20 units each), JW 3 and 4 (20 units each).

OWNER: SULPETRO MINERALS LTD. (formerly St. Joseph Explorations Ltd.), 5, 970 Laval Crescent, Kamloops V2C 5P5.

DESCRIPTION: The claims are underlain by limy mudstones and shales locally containing low-grade sphalerite mineralization.

WORK DONE: Geological mapping, 1:10 000; linecutting, 65 kilometres; and geochemical survey, 100 samples analysed for lead, zinc, copper, and silver, on all claims.

NORTHWEST BRITISH COLUMBIA
(NTS Division 104 and part of 114)

BOWSER LAKE 104A

LL&H, OLD CHUM (Fig. E-1, NTS 104, No. 1)

LOCATION: Lat. 56° 00.5′ Long. 129° 45′ (104A/4)
SKEENA M.D. Fifteen kilometres east-northeast of Stewart, 3 kilometres west of Otter Mountain, along Hartley Gulch.

CLAIMS: BON ACCORD 1 to 8 (Lots 6090 to 6095, 6200, 6201, respectively).

OWNERS: Tenajon Silver Corp. and Ian McLeod.

OPERATOR: TENAJON SILVER CORP., 1450, 625 Howe Street, Vancouver V6C 2T6.

METALS: Gold, silver, lead, zinc, copper.

DESCRIPTION: Shear zones in argillite and greenstone are mineralized with quartz, galena, sphalerite, and pyrite.

WORK DONE: Road construction.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1910, p. 64; 1912, p. 109; Mineral Inventory 104A-59, 60.

GOAT (Fig. E-1, NTS 104, No. 2)

LOCATION: Lat. 56° 09′ Long. 129° 36′ (104A/4E)
SKEENA M.D. Thirty-five kilometres northeast of Stewart, 4 kilometres northeast of Yvonne Peak.

CLAIMS: KEN 1 to 4 (4 units), ICE 1 to 4 (23 units).

OWNERS: Nor-Quest Resources Ltd. and Guaranty Trust Co. of Canada Ltd.

OPERATOR: NOR–QUEST RESOURCES LTD., 2231-G McGarrigle Road, Nanaimo V9S 4M5.

METALS: Silver, gold, lead, zinc, iron.

DESCRIPTION: The property is situated on the east flank of the Coast Range batholith of Jurassic/Cretaceous age. Nearly flat-lying green andesitic agglomerates and minor intercalated siltstones of the Hazelton Group (Middle Jurassic) are cut by multiple steeply dipping mafic dykes. These rocks are overlain by deformed and sheared Bowser sedimentary rocks (Upper Jurassic/Lower Cretaceous). Numerous faults and veins of fluctuating widths dip westerly. The carbonate and quartz veins contain variable amounts of galena, sphalerite, argentiferous tetrahedrite, and chalcopyrite.

WORK DONE: Road construction, 4.8 kilometres, and underground development, 250 metres, covering all claims.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1964, p. 23; 1965, p. 55; 1966, p. 40; 1968, p. 51; *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1974, p. 330; *Geol. Surv., Canada,* Map 1957-9; Mineral Inventory 104A-3.

SURPRISE (Fig. E-1, NTS 104, No. 3)

LOCATION: Lat. 56° 14′ Long. 129° 35′ (104A/4E)
SKEENA M.D. Fifty kilometres northeast of Stewart, at the headwaters of Surprise Creek.

CLAIMS: TRIB (10 units), SUR (20 units), PRISE (20 units), CREEK (4 units).
OWNER: FALCONBRIDGE NICKEL MINES LTD., 6415 – 64th Street, Delta V4K 4E2.
METALS: Molybdenum, silver.
DESCRIPTION: Over the last decade, glaciers and snow have retreated considerably in the area exposing a highly altered (sericite-saussurite) granodiorite at lower elevations intrusive into Bowser Assemblage shales and conglomerates. Molybdenite occurs as disseminations, as smears, and in quartz veins within the granodiorite and to a lesser extent in quartz stringers in hornfelsed and pyrrhotized Bowser Assemblage sedimentary rocks. Pyrite is common in the granodiorite and purple fluorite was also seen. A few massive pods of pyrrhotite occur within the hornfelsed Bowser sedimentary rocks.
WORK DONE: Geochemical survey, 100 rock samples analysed for copper, lead, zinc, molybdenum, silver, manganese, and fluorine, covering all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Geological Fieldwork, 1979, Paper 1980-1, p. 126; Exploration in B.C., 1978, p. E156; 1979, p. 273; Assessment Report 7576; Mineral Inventory 104A-80.

MM, LAKE (Fig. E-1, NTS 104, No. 5)

LOCATION: Lat. 56° 01′ Long. 129° 53′ (104A/4W)
SKEENA M.D. Approximately 8 kilometres north of Stewart, immediately east of Bear River and south of Bitter Creek.
CLAIMS: MM 100 (18 units), LAKE (11 units).
OWNER: John Lunek.
OPERATOR: DOUGLAS HOPPER, 828 West Hastings Street, Vancouver.
METALS: (Silver, gold).
DESCRIPTION: Several quartz veins on the property contain minor gold and silver values.
WORK DONE: Prospecting, 1:12 500, covering all claims.
REFERENCE: Assessment Report 8391.

INDEPENDENCE (Fig. E-1, NTS 104, No. 160)

LOCATION: Lat. 56° 05′ Long. 129° 55′ (104A/4W)
SKEENA M.D. Approximately 32 kilometres west of the western tip of Meziadin Lake; Fitzgerald Creek cuts through the claim group.
CLAIMS: INDEPENDENCE (6 units), INDEPENDENCE 1 (16 units), INDEPENDENCE 2 (8 units), BANANA (10 units).
OWNER: TOURNIGAN MINING EXPLORATIONS LTD., 704, 535 Thurlow Street, Vancouver V6E 3L2.
METALS: Gold, silver, lead, zinc, barite.
DESCRIPTION: The property is underlain by a sequence of massive volcanic rocks and tuffs of intermediate composition (Hazelton Group) which are overlain by bedded sedimentary rocks and tuffs with some acidic units (Bowser Group). These are intruded by dykes of porphyritic diorite (Portland Canal dyke swarm).
WORK DONE: Surface geological mapping, 1:5000, covering Independence, Independence 1 and 2.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1930, p. 107; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 58, p. 132; Assessment Report 8968; Mineral Inventory 104A-38.

RUFUS, COMET (Fig. E-1, NTS 104, No. 159)

LOCATION:	Lat. 56° 07' Long. 129° 46.5 (104A/4W) SKEENA M.D. Twenty-three kilometres northeast of Stewart, on the Bear River just north of the Cambria Mountain Range.
CLAIMS:	RUFUS (Lot 3786), RUFUS 1 to 6 (Lots 3787 to 3792), ARGYLE FR. (Lot 3417), BABY RUFUS (Lot 3793), WIDE FR. (Lot 4554), SILVER FR. (Lot 4555), LONG FR. (Lot 4556), DUKE FR. (Lot 4582), ARGYLE 1 to 6 (Lots 4576 to 4581), COMET 3 and 4 (Lots 3421 and 3422), VETERAN 1 (Lot 3423), VETERAN 3 (Lot 3426).
OWNER:	KINGDOM RESOURCES LTD., 1030, 777 Hornby Street, Vancouver.
METALS:	Iron, silver, gold, copper.
DESCRIPTION:	The south end of the property is underlain by tuffaceous andesites, containing a siliceous tuff band and striking north 50 degrees to 70 degrees east, dipping 80 degrees southeast. About 400 metres north of the siliceous tuff and also immediately south of it a band of chert was mapped.
WORK DONE:	Prospecting, 1:12 500, covering Rufus 1 and 2, Baby Rufus, Rufus 4, Argyle 1, and Comet 4.
REFERENCES:	*Minister of Mines, B.C.,* Ann. Rept., 1966, p. 40; Assessment Report 8912, Mineral Inventory 104A-19.

MOUNTAIN BOY, AMERICAN GIRL, LUCKY JIM (Fig. E-1, NTS 104, No. 4)

LOCATION:	Lat. 56° 09' Long. 129° 55' (104A/4W) SKEENA M.D. Twenty-five kilometres north of Stewart, 7 kilometres south-southwest of Mount Johnson, on the west side of American Creek.
CLAIMS:	Twenty-six Crown-granted claims including LUCKY JIM 1 to 6 (Lots 5718 to 5723), MOUNTAIN BOY (Lot 445), AMERICAN GIRL (Lot 444), HARD MONEY (Lot 447), CANARY 2 to 4 (Lots 6086 to 6088).
OWNER:	PRIDE RESOURCES LTD., LG 153, 890 West Pender Street, Vancouver V6C 1J9.
METALS:	Lead, zinc, silver, barite.
DESCRIPTION:	Westerly dipping Hazelton and Bowser volcanic and sedimentary rocks (Lower to Middle Jurassic) are intruded by augite diorite of Tertiary age. Fractures and shears in the intruded rocks are replaced by quartz, jasper, calcite, and barite veins. Numerous veins are mineralized, but two veins constitute two main zones. The High Grade vein contains argentite, native silver, and pyrargyrite (ruby silver) with chalcopyrite, chalcocite, and galena in a gangue of quartz and jasper. The Mann vein is approximately 10 metres wide, dips 55 degrees southeasterly, and consists mainly of white quartz mineralized with ribbons of almost solid galena and sphalerite. The property has been explored on surface and underground since 1902. Small quantities of ore have been shipped.
WORK DONE:	Prospecting, two base lines established, some grid lines, and 11 samples collected; road construction, 4 kilometres; linecutting, 1.7 kilometres, covering Mountain Boy, American Girl, plus several other Crown-granted claims.
REFERENCES:	*Minister of Mines, B.C.,* Ann. Rept., 1945, p. 62; Assessment Report 9184; Mineral Inventory 104A-13.

BETTY (DIVIDE) (Fig. E-1, NTS 104, No. 161)

LOCATION: Lat. 56° 13.5′ Long. 129° 59′ (104A/4W)
SKEENA M.D. Approximately 13.7 kilometres north-northwest of the junction of Bear River and American Creek.

CLAIMS: BETTY 1 to 6 (Lots 3447 to 3452)

OWNER: A. Ingelson.

OPERATOR: L. MacEACHERN, 323 – 41st Avenue NE, Calgary, Alberta.

METALS: Silver, lead, zinc.

WORK DONE: Prospecting, 70 chip samples from three locations, covering Betty 1, 2, and 5.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1922, p. 83; 1927, p. 480; Assessment Report 8939; Mineral Inventory 104A-8.

VIRGINIA K (Fig. E-1, NTS 104, No. 162)

LOCATION: Lat. 56° 15′ Long. 129° 54′ (104A/4W, 5W)
SKEENA M.D. Approximately 35 kilometres west-northwest from the northern tip of Meziadin Lake, with American Creek flowing through the property.

CLAIMS: VIRGINIA K EXT 4 to 6 (Lots 5819, 5815, 5813), VIRGINIA K 2 and 3 (Lots 5812, 5816), VIRGINIA K FR. 3 (Lot 5817), STAR NO. 2 and 3 FR. (Lots 5814, 5811), VIRGINIA K NO. 1, (Lot 5810), plus VIRGINIA (18 units), VIRGINIA 2 (18 units).

OWNER: KOMADY RESOURCES LTD., 326, 510 West Hastings Street, Vancouver V6B 1L8.

METALS: Silver, gold, lead, copper, zinc.

DESCRIPTION: Main units are Bowser sedimentary rocks, massive andesitic to dioritic intrusive rocks, and massive fresh, purple, porphyritic extrusive rocks. The massive intrusive rocks cut the Bowser off at the southern end of the property and the purple porphyry tops the section. The American Creek valley is in a local syncline within the anticlinorium and the creek marks a fault locus.

WORK DONE: Surface geological mapping, 1:3600; sampling of old workings and general prospecting of area, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1956, p. 18; Assessment Report 8982; Mineral Inventory 104A-6.

DALY–SULLIVAN, MONITOR (LAKESHORE) (Fig. E-1. NTS 104, No. 6)

LOCATION: Lat. 56° 06′ Long. 130° 00′ (104A/4W)
SKEENA M.D. Eighteen kilometres north of Stewart, centred on Slate Mountain.

CLAIMS: Twenty-two reverted Crown-granted claims including SHURE (Lot. 4041), SULLIVAN (Lot 3684), DALY (Lot 3685), VANDAL FR. (Lot 3785), MONEY (Lot 4043), START FR. (Lot 5222), START 2 (Lot 5206), START 3 (Lot 5207), START 5 (Lot 5209), START 6 FR. (Lot 5210), LAKESHORE (Lot 4176), MAPLE LEAF 4 (Lot 4448), BUSH 1 to 4 (Lots 5196 to 5199), STAR EXTENSION (Lot 5211), STAR EXTENSION 1 (Lot 5212), OB, OB 1, 2, and 4 (Lots 5214 to 5217), OB FR. (Lot 5219), OB 1 FR. (Lot 5220), OB 2 FR. (Lot 5223), DOUBLE O 6 (Lot 4042), VALLEY FR. (Lot 6204), plus SLATE 1 and 2.

OWNERS: Dianne Kretschmar and Ocean Home Exploration Ltd.

OPERATOR:	HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1324 South Colorado Boulevard, Denver, Colorado 80222, U.S.A.
METALS:	Lead, copper, zinc, silver, gold.
DESCRIPTION:	The property is underlain by Upper Jurassic volcanic rocks of the Bear River Formation (Hazelton Group) and sedimentary rocks of the Bowser Group. Felsic and black tuff contains vuggy quartz veins and quartz breccia veins with pyrite, galena, tetrahedrite, chalcopyrite, and sphalerite mineralization.
WORK DONE:	1979 and 1980 – 17 rock samples analysed for copper, lead, zinc, cadmium, silver, and gold, covering Start and Bush.
REFERENCES:	*Minister of Mines, B.C.,* Ann. Rept., 1922, p. 83; 1927, p. 97; 1963, p. 10 (New Indian Mines Ltd.); *B.C. Ministry of Energy, Mines & Pet. Res.,* Bull. 58, p. 135; Exploration in B.C., 1979, pp. 275, 276; Assessment Reports 448, 7640, 8245; Mineral Inventory 104A-14, 73.

ISKUT RIVER 104B

ISKUT RIVER AREA (Fig. E-1, NTS 104, No. 190)

LOCATION:	Regional (104B/7 to 15) LIARD and SKEENA M.D. Along the eastern margin of the Coast Range Mountains following the Iskut River and Tributary Creek beds.
CLAIMS:	Regional.
OWNER:	DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
WORK DONE:	Geochemical survey, 397 silt samples analysed for gold, silver, copper, lead, arsenic, cadmium, tin, and tungsten, covering entire area.
REFERENCE:	Assessment Report 9026.

DR. MOZART FRACTION (Fig. E-1, NTS 104, No. 7)

LOCATION:	Lat. 56° 02.5′ Long. 130° 00.5′ (104B/1E) SKEENA M.D. Thirteen kilometres north of Stewart, on the west side of Bear River, adjacent to the British Silbak Premier mine property.
CLAIM:	DR. MOZART Fraction (formerly YOUNG FR., Lot 4276).
OWNER:	Ulrich Kretschmar.
OPERATOR:	HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1325 South Colorado Boulevard, Denver, Colorado 80222, U.S.A.
DESCRIPTION:	Two major rock units exposed are massive green andesitic tuff with local interbeds of feldspar crystal tuffs and their pyritic sericitic felsic tuffs, and purple, feldspathic, tuffaceous wacke with thin units of purple pyroclastic tuffs, lapilli tuffs, and pyroclastic breccias.
WORK DONE:	Surface geological mapping, 1:10 000, covering Dr. Mozart Fraction.
REFERENCE:	Assessment Report 8618.

SILBAK PREMIER **(Fig. E-1, NTS 104, No. 8)**

LOCATION: Lat. 56° 03′ Long. 130° 01′ (104B/1E)
SKEENA M.D. Seven kilometres north of Stewart, 5 kilometres southwest of Cantu Mountain, on Cobalt Creek.

CLAIMS: CASCADE FALLS NO. 5 (Lot 272), CASCADE FALLS NO. 4, CASCADE FALLS NO. 8, SIMPSON, ESSINGTON, PAT FR., DALLY, PICTOU, RUPERT (Lots 3590 to 3597), CASCADE FORKS NO. 1 to 6, WOOD FR., FORKS, TRITES (Lots 3603 to 3611), PREMIER EXTENSION NO. 1 to 4, EXTENSION FR., TRUE BLUE (Lots 3688 to 3693), LESLEY M, LESLEY, LIMIT, CLIMAX, BELL, LESLEY NO. 2 to 6, LESLEY FR., BELL NO. 2, MAHOOD, TEN FR., AX FR. (Lots 3838 to 3852), INTERNATIONAL (Lot 3930), WOOD FR. (Lot 3931), GUN FR. (Lot 4016), HOOLIGAN, OAKWOOD, OAKVILLE FR., OAKVILLE NO. 2 FR. (Lots 4019 to 4022), LOSER (Lot 4056), TEXADA, TEXADA FR., DIXIE, HUMBOLT NO. 2 FR., HUMBOLT FR., PAUL, JOE FR., BLUOX, MOUNTAIN, GRANDVIEW, RINCON, U&I, SIMCOE, HALTON, BUSH FR., NEILL FR., MIST NO. 1, MIST NO. 2, MIST FR. (Lots 4133 to 4151), PREMIER FR. (Lot 4279), BX NO. 1 to 3, BX NO. 4 to 8 FR. (Lots 4427 to 4434), PITT FR. (Lot 4767), NORTHERN LIGHT NO. 2, NORTHERN LIGHT NO. 1 FR., NORTHERN LIGHT NO. 3 to 7 (Lots 4047 to 4052), NORTHERN LIGHT NO. 7 (Lot 4055), NORTHERN LIGHT FR. (Lot 4057), NORTHERN LIGHT NO. 1 (Lot 4058), NORTHERN LIGHT NO. 8 (Lot 4063), NORTHERN LIGHT NO. 9 FR. (Lot 4454).

OWNER: BRITISH SILBAK PREMIER MINES LTD., 2470, 1066 West Hastings Street, Vancouver.

METALS: Gold, silver, lead, zinc, copper, tungsten, barite.

DESCRIPTION: Andesitic flow rocks or greenstones, some porphyritic, of the Bear River Group, Hazelton series, are intruded by lamprophyre and felsic dykes. Ore zones appear to be localized near the intersections of northeasterly and northwesterly trending fractures. Highly fractured greenstone has been largely replaced and recemented by quartz. Mineralization consists of quartz, calcite, pyrite, sphalerite, galena, and chalcopyrite with minor amounts of pyrrhotite, tetrahedrite, and polybasite. The precious metals are rarely in visible form.

WORK DONE: Topographical mapping, covering all claims; geological mapping, 1:100; linecutting, 16 kilometres; road construction, 32 kilometres, covering Pictou, Cascade Falls No. 8, Cascade Falls No. 4, Simpson, Oakville, Humbolt, Cascade Forks No. 1, 2, 3, Northern Lights 2, 3, and Northern Lights Fr.; geochemical survey, 4 500 soil samples analysed for gold, silver, lead, zinc, and copper, covering all claims; diamond drilling, 2 440 metres (NQ core), on Pictou and Cascade Falls No. 8; plus prospecting, trenching, and underground rehabilitation.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1968, p. 50; *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1969, p. 56; 1970, p. 74; 1971, p. 33; Bull. 58, p. 153; Mineral Inventory 104B-54.

WOODBINE **(Fig. E-1, NTS 104, No. 9)**

LOCATION: Lat. 56° 03.5′ Long. 130° 02′ (104B/1E)
SKEENA M.D. Thirteen kilometres north of Stewart, 3.2 kilometres south-southwest of Silver Lake.

CLAIMS: WOODBINE (Lot 4045), WOODBINE 1 FR. (Lot 4126), PX FR. (Lot 4425), KITCHENER (Lot 4046), PREMIER NO. 2 FR. (Lot 2855), VAN–COUVER, VANCOUVER NO. 1, VANCOUVER NO. 2, VANCOUVER NO. 3 (Lots 4121, 4122, 4124, 4125).

OWNERS: Ocean Home Exploration Ltd. and Ulrich Kretschmar.

OPERATOR: HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1325 South Colorado Boulevard, Denver, Colorado 80222, U.S.A.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: Surface mineralization in a silicified and pyritized zone in volcanic rocks occurs in two main areas.

WORK DONE: Linecutting, 1.65 kilometres; ground magnetometer survey, 3 kilometres; and geochemical survey, 266 soil samples analysed for copper, lead, zinc, and mercury, covering Vancouver No. 1, Kitchener, Premier No. 2 Fr.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1928, p. 114; 1929, pp. 49, 104; *Geol. Surv., Canada,* Mem. 175, pp. 153, 170; *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1979, p. 278; Assessment Reports 7522, 7369, 8723; Mineral Inventory 104B-90.

SNOW (Fig. E-1, NTS 104, No. 16)

LOCATION: Lat. 56° 05′ Long. 130° 04′ (104B/1E)
SKEENA M.D. Approximately 10 kilometres south of the south end of Summit Lake, 2.5 kilometres west of Silver Lake.

CLAIMS: SNOW 1 (3 units), SNOW 2 (15 units), SNOW 3 and 4 Fractions, SALMON Fraction.

OWNER: Ulrich Kretschmar.

OPERATOR: HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1325 South Colorado Boulevard, Denver, Colorado 80222, U.S.A.

DESCRIPTION: Most of the property is underlain by Texas Creek hornblende-biotite granodiorite which contains reef pendants of black tuffaceous argillite. At the northeast end sedimentary and volcanic rocks of the Jurassic Hazelton Group are intruded by the Texas Creek pluton.

WORK DONE: Surface geological mapping, 1:5000, covering all claims.

REFERENCE: Assessment Report 8602.

SILVER FRACTION (Fig. E-1, NTS 104, No. 15)

LOCATION: Lat. 58° 05.5′ Long. 130° 01′ (104B/1E)
SKEENA M.D. Approximately 14 kilometres east of Mount Jefferson Coolidge, 4 kilometres northeast of Cantu Mountain.

CLAIM: SILVER Fraction (1 unit).

OWNER: Ulrich Kreschmar.

OPERATOR: HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1325 South Colorado Boulevard, Denver, Colorado 80222, U.S.A.

DESCRIPTION: The claim is underlain predominantly by lapilli tuff; locally fragments are felsic and up to breccia size. Interbedded is a heterogeneous purple and maroon lapilli breccia with a matrix of maroon-coloured and hematitic tuff. Pyrite with specks of chalcopyrite and tetrahedrite occurs in a quartz vein.

WORK DONE: Prospecting, covering Silver Fraction.

REFERENCE: Assessment Report 8524.

BIG MISSOURI, UNICORN, GOOD HOPE (Fig. E-1, NTS 104, No. 12)

LOCATION: Lat. 56° 07′ Long. 130° 01′ (104B/1E)
SKEENA M.D. Located 20 kilometres northwest of Stewart on Big Missouri Ridge.

CLAIMS: Twenty-two Crown-granted claims and 35 reverted Crown-granted claims including GOLDEN CROWN (Lot 3210), GOOD HOPE (Lot 4037), UNICORN (Lot 4534), ARGENTITE (Lot 4153), BUENA VISTA (Lot 3207), GALENA (Lot 4615), HIGH GRADE (Lot 4605), PROVINCE (Lot 3208), BIG MISSOURI (Lot 3217), MONTANA 1 Lot 5093).

OWNER: Tournigan Mining Explorations Ltd.

OPERATOR: WESTERN MINES LTD., 1103, 595 Burrard Street, Box 49066, Vancouver V7X 1C4.

METALS: Gold, silver, copper, lead, zinc, cadmium.

DESCRIPTION: The volcanic sequence consists of metamorphosed agglomerates, tuffs, and flows of andesitic composition intercalated with cherty tuff bands. The mineralization observed consists of fine-grained disseminated pyrite with or without sphalerite and galena contained mainly in the cherty tuff horizons or as small sulphide stringers and veinlets within the andesite. The preliminary interpretation of the geological environment is that the mineralization occurs in narrow stratabound interflow siliceous exhalative horizons.

WORK DONE: Geological mapping, 1:500, on E Pluribus, Province, Jain, Golden Crown, and Terminus; geochemical survey, 1 025 soil samples analysed, on E Pluribus, Province, Jain, Golden Crown, Terminus, and Buena Vista; trenching, 7 trenches, totalling 640 metres, on E Pluribus, Province, Jain, Golden Crown, and GT Fraction; ground magnetometer and electromagnetic survey, approximately 1 kilometre each; and diamond drilling, 44 holes, totalling 2 286 metres, on Province, E Pluribus, Golden Crown, and Jain.

REFERENCES: Mineral Inventory 104B-2, 40-46, 83-86, 92, 93; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 179; 1976, pp. E 179, E 180; 1978, p. E 257; 1979, p. 280; Assessment Reports 912, 5988, 6009, 6080, 6940, 7686, 7800, 8202, 8477, 8788.

WINER (Fig. E-1, NTS 104, No. 182)

LOCATION: Lat. 56° 07′ Long. 130° 03′ (104B/1E)
SKEENA M.D. Seven kilometres north-northwest of Premier, 2.5 kilometres northwest of Silver Lake.

CLAIMS: WINER (Lot 3212), BIG MISSOURI (Lot 3217), PACKERS FR. (Lot 5540), plus SARAH (12 units).

OWNERS: Esso Resources Canada Ltd. and Consolidated Silver Butte Mines Ltd.

OPERATOR: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver V6E 3J7.

DESCRIPTION: Outcrops are scarce on the property which is only 300 metres south of the Big Missouri mine.

WORK DONE: Linecutting, 3.4 kilometres; geochemical survey, 150 soil samples analysed for lead, zinc, silver, gold, copper, iron, arsenic, amd manganese; trenching, 80 metres in one trench; and road construction, 0.5 kilometre, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978 p. E257; Assessment Reports 6940, 9980.

MUNRO (Fig. E-1, NTS 104, No. 10)

LOCATION: Lat. 56° 07' Long. 130° 04' (104B/1E)
SKEENA M.D. Approximately 20 kilometres north of Stewart and 1.5 kilometres east of the Alaska/British Columbia border, near the headwaters of the Salmon River.

CLAIMS: MUNRO 1 to 5 (Lots 5411, 5416, 5417, 5419, 5420), BIG CHIEF 2 and 3 (Lots 5414 and 5415), BOUNDARY (Lot 5421).

OWNER: Dianne Kretschmar.

OPERATOR: HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1325 South Colorado Boulevard, Denver, Colorado 80222, U.S.A.

METALS: Silver, lead.

DESCRIPTION: Siliceous sedimentary rocks of the Hazelton Group form a roof pendant in the Texas Creek granodiorite. Metamorphic grade is upper greenschist and, locally, amphibolite facies; some rocks are hornfelsed and occasionally calc-silicates were formed.

WORK DONE: Surface geological mapping, 1:5000, covering Munro and Big Chief claims.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1929, p. 507; 1930, p. 443; 1934, p. B26; *Geol. Surv., Canada,* Mem. 175, p. 160; Maps 307A, 315A, 1829; Assessment Report 8540; Mineral Inventory 104B-47.

OUTLAND SILVER BAR (Fig. E-1, NTS 104, No. 11)

LOCATION: Lat. 56° 09' Long. 130° 05' (104B/1E)
SKEENA M.D. Twenty-four kilometres north of Stewart, west side of Salmon Glacier, 3 kilometres north-northeast of Mount Bayard.

CLAIMS: ALMO (Lot 2847), ALMO FR. (Lot 4445), AMY A (Lot 5430), BAR CROSS (Lot 5428), BAR SILVER (Lot 4193), ELDORADO (Lot 2846), ELDORADO NO. 3 (Lot 4443), ELDORADO NO. 2 (Lot 4444), HIBBARD C (Lot 5429), IDA O (Lot 4602), LENS (Lot 3624), MINERAL ZONE (Lot 4189), MOUNTAIN GIRL (Lot 4190), MONS (Lot 3625), MUNRO (Lot 5412), NATIVE SILVER FR. (Lot 5527), RUBY SILVER FR. (Lot 5528), SILVER BARS (Lot 4191), SILVER DOLLAR (Lot 5418), SILVER THOUGHT FR. (Lot 2848), SILVER THOUGHT NO. 2 FR. (Lot 2849), VIMY NO. 1 (Lot 3623), BANANA FR. (Lot 4601), plus LILA 2 (9 units), LILA 1 (16 units), GLACIER (20 units), GLACIER 1 (18 units).

OWNER: Tournigan Mining Explorations Ltd.

OPERATOR: OUTLAND RESOURCES CORP., 704, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Silver, gold, tungsten.

DESCRIPTION: The claims are underlain by hornfels, black limy siltstone, and the Portland Canal dyke swarm. Replacement-type pyrite, pyrrhotite, arsenopyrite, sphalerite, galena, chalcopyrite, and tetrahedrite occur in veins and in zones of massive sulphides within altered siltstones.

WORK DONE: Prospecting; surface geological mapping, 1:2500, covering all claims; geochemical survey, 205 samples analysed for gold and silver, 95 samples for lead and zinc, 59 samples for copper, and 29 samples for tungsten; trenching, approximately 900 square metres, covering Bar Silver, Eldorado No. 3, Silver Thought No. 3, Banana Fr., Mountain Girl, and Mineral Zone.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E180; 1977, p. E221; 1979, p. 281; Assessment Reports 7728, 8909; Mineral Inventory 104B-30.

HOLLYWOOD (Fig. E-1, NTS 104, No. 14)

LOCATION: Lat. 56° 11′ Long. 130° 08.5′ (104B/1E)
SKEENA M.D. Approximately 6 kilometres northwest of Mount Bayard and 4.5 kilometres southwest of Summit Lake.

CLAIMS: HOLLYWOOD 1 to 11 (1 unit each).

OWNER: Dianne Kretschmar.

OPERATOR: HOUSTON INTERNATIONAL MINERALS CORP., Empire Park, Building B, 1325 South Colorado Boulevard, Denver, Colorado 80222, U.S.A.

METAL: Silver.

DESCRIPTION: The claims are underlain by Hazelton Group argillites, slate, and siltstone and, to the northwest, by rocks of the Texas Creek batholith. Minor patchy pyrite and galena with quartz occur on a contact between granodiorite and siliceous, pyritic metasedimentary rocks.

WORK DONE: Surface geological mapping, 1:10 000, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1925, pp. 106, 447; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 58, p. 169; *Geol. Surv., Canada*, Mem. 175, p. 158; Maps 307A, 315A; Assessment Report 8520; Mineral Inventory 104B-37.

SCOTTIE, SALMON GOLD (Fig. E-1, NTS 104, No. 13)

LOCATION: Lat. 56° 13′ Long. 130° 05′ (104B/1E)
SKEENA M.D. Thirty kilometres north of Stewart, covering the northern shores of Summit Lake.

CLAIMS: PRINCE 1 to 5 (Lots 6407 to 6411), PRINCE FR. (Lot 6412), SUMMIT LAKE 1 to 6 (Lots 6296 to 6301), SUMMIT LAKE 7 FR. (Lot 6405), SUMMIT LAKE 8 (Lot 6406), plus SCOTTY (6 units), SCOT I (2 units), SCOT II (6 units), SCOT 3 (5 units), SCOT 4 (10 units), SCOT 5 (16 units).

OWNER: SCOTTIE GOLD MINES LTD., 1450, 625 Howe Street, Vancouver V6C 2T6.

METALS: Gold, silver.

DESCRIPTION: Ore consists of lenses formed along nearly vertical faults and fracture systems within competent fragmental volcanic and sedimentary rocks. Gold is mainly associated with pyrrhotite-rich lenses occurring along northwest-striking faults and easterly striking fractures with the higher grade gold values often occurring at the junction of the two.

WORK DONE: Underground development, 2 347 metres of tunnel.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1946, pp. 66-68; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 58, p. 152; Exploration in B.C., 1978, pp. E257, E258; 1979, p. 281; Mineral Inventory 104B-34, 74.

COLE (Fig. E-1, NTS 104, No. 17)

LOCATION: Lat. 56° 29′ Long. 130° 38′ (104B/7E)
SKEENA M.D. Seventy-five kilometres northwest of Stewart, 6 kilometres northeast of Mount Dunn, on the north bank of King Creek.

CLAIM: COLE (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION: The claim is underlain by intercalated mafic and felsic volcanic rocks with associated cherty tuff horizons. Disseminated pyrite occurs in the cherty tuff.
WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 6 silt samples and 44 soil samples analysed for gold and silver and 1 rock sample analysed for gold, silver, lead, zinc, and copper, covering Cole.

BIG SHOWING (Fig. E-1, NTS 104, No. 20)

LOCATION: Lat. 56° 30′ Long. 130° 15′ (104B/8, 9)
SKEENA M.D. Sixty-three kilometres north-northwest of Stewart, on a ridge between Sulphurets Glacier and Mitchell Glacier.
CLAIMS: ARBEE 35, 39, 54, 55, DAWSON–ROSS 1, 3, ED 1 (2 units), ED 2 (1 unit), ICE 1 (2 units), ICE 2 (3 units), ICE 3 (2 units), IRON CAP 1 to 7 (totalling 11 units), RED RIVER (14 units), RED RIVER 2 to 5 (totalling 20 units), SULPHURETS 1 to 3 Fractions, TEDRAY 1 to 3, 6 to 19 (totalling 91 units), XRAY 1 to 9 (totalling 21 units).
OWNERS: Granduc Mines Ltd., Esso Resources Canada Ltd., and S. F. Ross.
OPERATOR: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver V6E 3J7.
METALS: Gold, silver, copper, molybdenum.
DESCRIPTION: The property is underlain by volcanic breccia crystal and lithic tuff, conglomerate, siltstone, sandstone, limestone, chert, and minor coal of the Lower Jurassic Unuk River Formation. Zones of intense shearing with sericite/clay mineral alteration, minor pyritization, and quartz veining with barite and calcite are common. Veins contain native gold and argentite.
WORK DONE: Geological mapping, 1:10 000 and geochemical survey, 800 rock samples analysed for gold, silver, copper, and molybdenum, on all claims; diamond drilling, 7 holes, totalling 1 850.6 metres, on Xray 6, 7, Tedray 1, 3, Ed 1, Iron Cap 1, Red River 2.
REFERENCES: Mineral Inventory 104B-12, 103, 104, 105; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 182; 1977, p. E 223 (Big Showing); Assessment Reports 6255, 8424, 9435.

GRACY, GRACEY (Fig. E-1, NTS 104, No. 22)

LOCATION: Lat. 56° 22′ Long. 130° 28′ (104B/8W)
SKEENA M.D. Fifty-seven kilometres northeast of Stewart, 5 kilometres west of Unuk Finger Mountain, in the fork of south Unuk River and Gracey Creek.
CLAIMS: DOC 1 (16 units), DOC 2 (9 units), DOC 3 (9 units), DOC 4 (16 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
METALS: Gold, silver.
DESCRIPTION: Interlayered felsic and mafic tuffs are intruded by diorite and granitic dykes. Limestone unconformably overlies the volcanic rocks. Mineralization consists of hematite, pyrite, galena, sphalerite, and free gold in quartz veins that trend northwesterly.

(104B/8W)

WORK DONE: Surface geological mapping and geochemical survey, 447 soil samples analysed for gold, covering all claims.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1949, p. 73; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, pp. 333, 334; Assessment Reports 5239, 5512, 8925; Mineral Inventory 104B-14.

ELGAR (Fig. E-1, NTS 104, No. 21)

LOCATION: Lat. 56° 29′ Long. 130° 23′ (104B/8W)
SKEENA M.D. Sixty-five kilometres north-northwest of Stewart, 5 kilometres north of Mount Madge.

CLAIM: ELGAR (12 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The claim is underlain by andesite flow rocks that are intruded by an altered granitic stock. Small quartz veins in the volcanic rocks contain disseminated pyrite, sphalerite, and galena.

WORK DONE: Surface geological mapping, 1:10 000 and geochemical sampling, 16 rock and soil samples analysed for gold, lead, zinc, copper, and silver, covering Elgar.

REFERENCE: Assessment Report 9233.

DALY, CUMBERLAND (Fig. E-1, NTS 104, No. 154)

LOCATION: Lat. 56° 29′ Long. 130° 26′ (104B/8W)
SKEENA M.D. Approximately 70 kilometres northwest of Stewart, straddling Sulphurets Creek, 3 kilometres east of its junction with the Unuk River.

CLAIM: SULPHURETS (20 units).

OWNER: E&B EXPLORATIONS LTD., 2900, 300 Fifth Avenue SW, Calgary, Alberta.

METALS: Gold, silver, copper, lead, zinc, barite.

DESCRIPTION: Main rock types noted were argillites, limestone, and some conglomerate cut by minor mafic dykes which are probably satellitic bodies to the Mount Mudge dioritic intrusive rocks. Mineralization consists of irregular lenses and veins of quartz-barite-calcite containing pyrite, pyrrhotite, galena, sphalerite, chalcopyrite, tetrahedrite, stibnite, and argentite.

WORK DONE: Prospecting, traverses oriented to locate any fault-controlled mineralization.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1935, pp. B9, B11; Assessment Report 8769; Mineral Inventory 104B-11.

EAST GOLD (PIONEER) (Fig. E-1, NTS 104, No. 19)

LOCATION: Lat. 56° 17′ Long. 130° 05′ (104B/8E)
SKEENA M.D. Forty kilometres north of Stewart, 4 kilometres north of the north end of Summit Lake.

CLAIM: TIDE (18 units).

OWNER: NORTHAIR MINES LTD., 1450, 625 Howe Street, Vancouver V6C 2T6.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: The property is underlain by siltstones, greywacke, and argillite of the Middle to Upper Jurassic Bowser assemblage. Intrusive rocks were noted, probably related to the Summit Lake diorite but their extent is uncertain.

WORK DONE: Geochemical survey, 151 silt samples analysed for copper, lead, zinc, gold, and silver and 29 rock samples analysed for gold, silver.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1954, p. 83; 1960, p. 7; 1963, p. 11; 1965, p. 49; *Geol. Surv., Canada*, Mem. 175, pp. 161, 168; Assessment Report 8656; Mineral Inventory 104B-33.

HAIDA (Fig. E-1, NTS 104, No. 18)

LOCATION: Lat. 56° 17.5' Long. 130° 07' (104B/8E)
SKEENA M.D. Forty kilometres north of Stewart, 5 kilometres north of the north end of Summit Lake.
CLAIM: HAIDA (1 unit).
OWNER: Silver Standard Mines Ltd.
OPERATOR: NORTHAIR MINES LTD., 1450, 625 Howe Street, Vancouver V6C 2T6.
DESCRIPTION: Pyrite and arsenopyrite occur in siliceous replacement zones at argillite-andesite contact.
WORK DONE: Geochemical survey, 131 soil samples, covering Haida.
REFERENCE: Assessment Report 9391.

PORTLAND (Fig. E-1, NTS 104, No. 155)

LOCATION: Lat. 56° 18' Long. 130° 05' (104B/8E)
SKEENA M.D. Approximately 40 kilometres north-northwest of Stewart, 2 kilometres east of Bowser River.
CLAIM: CATSPAW (16 units).
OWNER: E&B EXPLORATIONS LTD., 2900, 300 Fifth Avenue SW, Calgary, Alberta.
METALS: Gold, lead, zinc.
DESCRIPTION: The property is underlain by Hazelton rocks that are cut by quartz-filled shears carrying varying amounts of gold with galena, sphalerite, pyrite, pyrrhotite, and arsenopyrite.
WORK DONE: Surface geological mapping, 1:5000, covering Catspaw.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1946, pp. 72-74; Assessment Report 8768; Mineral Inventory 104B-82.

TREATY CREEK (Fig. E-1, NTS 104, No. 156)

LOCATION: Lat. 56° 36' Long. 130° 08' (104B/9E)
SKEENA M.D. Approximately 75 kilometres north of Stewart, at the headwaters of Treaty Creek.
CLAIM: TREATY (12 units).
OWNER: E&B EXPLORATIONS LTD., 2900, 300 Fifth Avenue SW, Calgary, Alberta.
METALS: Silver, lead, zinc.
DESCRIPTION: The property is underlain by altered Hazelton rocks of Middle Jurassic age. Alterations are due to faulting and intrusion of syenitic rocks to the west and have produced linear zones of quartz-sericite-pyrite schists.
WORK DONE: Surface geological mapping, 1:5000, covering Treaty.
REFERENCES: Assessment Report 8767; Mineral Inventory 104B-78.

SOB (Fig. E-1, NTS 104, No. 23)

LOCATION: Lat. 56° 32′ Long. 130° 18′ (104B/9W)
SKEENA M.D. Seventy kilometres north of Stewart, 7 kilometres east of John Peaks at the headwaters of Mitchel Creek.

CLAIM: SOB (18 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The property is underlain by intercalated dacite-andesite flow rocks, tuffs, and black argillite. The sedimentary rocks are intruded by andesite dykes. Narrow quartz veins containing disseminated pyrite and chalcopyrite occur the sedimentary rocks.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 4 rock, 1 soil, and 6 silt samples analysed for gold, lead, copper, and silver, covering Sob.

REFERENCE: Assessment Report 9234.

SNIP (Fig. E-1, NTS 104, No. 163)

LOCATION: Lat. 56° 35′ Long. 130° 53′ (104B/10W)
LIARD M.D. Approximately 16 kilometres southwest of the junction of Newmont Creek and Iskut River; claims lie to the west of Snippaker Creek.

CLAIMS: SNIP 1 (15 units), SNIP 2 (15 units).

OWNER: TECK CORP., 1199 West Hastings Street, Vancouver.

WORK DONE: Geochemical survey, 101 soil samples analysed for gold, silver, zinc, copper, and molybdenum, covering Snip 2.

REFERENCE: Assessment Report 9042.

INEL (Fig. E-1, NTS 104, No. 164)

LOCATION: Lat. 56° 37′ Long. 130° 57′ (104B/10W)
LIARD M.D. Approximately 54 kilometres east-southeast of the junction of Iskut River and Stikine River, Mount Snippaker lying 4.5 kilometres north of the claims.

CLAIMS: I NEL 1 (9 units), I NEL 2 (12 units), I NEL 3 (9 units), I NEL 4 (12 units), I NEL 43, 45 to 47, 57 to 60, 62, 64.

OWNER: R. E. Davis.

OPERATOR: SKYLINE EXPLORATIONS LTD., 409, 837 West Hastings Street, Vancouver V6C 1B6.

METALS: Copper, zinc, lead, gold, silver, molybdenum.

DESCRIPTION: The property lies within a region of Upper Triassic volcanic and sedimentary rocks. The prospect is in a south-directed wedge of these rocks roughly bounded on the southwest by granitic rocks of the Coast Plutonic Complex and on the southeast by Jurassic/Cretaceous sedimentary rocks of the Bowser Basin.

WORK DONE: Surface geological mapping, 1:12 000, covering I Nel 2, 3, 4 and I Nel 47.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 335; Assessment Reports 4732, 8997; Mineral Inventory 104B-113.

NSF, PAY, CHECK (Fig. E-1, NTS 104, No. 26)

LOCATION: Lat. 56° 37.5′ Long. 130° 55′ (104B/10W)
LIARD M.D. Ninety-five kilometres northwest of Stewart, 5 kilometres southeast of Mount Snippaker.

CLAIMS: NSF, PAY, CHECK (20 units each).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Intermediate metavolcanic rocks are intruded by gabbro dykes. Mineralization consists of disseminated pyrite in shear zones.

WORK DONE: Surface geological mapping, 1:10 000; geochemical survey, 10 silt and 1 rock sample analysed for gold, silver, copper, lead, and zinc and 2 rock samples and 78 soil samples analysed for gold and silver, covering all claims.

REFERENCE: Assessment Report 9191.

ZAPPA (Fig. E-1, NTS 104, No. 25)

LOCATION: Lat. 56° 39′ Long. 130° 50′ (104B/10W)
LIARD M.D. Ninety-five kilometres northwest of Stewart, 8 kilometres east of Snippaker Creek.

CLAIM: ZAPPA (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Outcrops are rare. Felsic metavolcanic rocks containing disseminated pyrite are intruded by hornblende diorite.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 1 silt (10 kilogram) sample analysed for gold, arsenic, lead, copper, silver, tungsten, antimony, cadmium, and per cent heavy metals, 8 soil (1 kilogram) samples analysed for gold, and 6 rock samples analysed for gold and silver, covering Zappa.

REFERENCE: Assessment Report 9189.

HANDEL (Fig. E-1, NTS 104, No. 24)

LOCATION: Lat. 56° 40′ Long. 130° 00′ (104B/10W, 11E)
LIARD M.D. One hundred and five kilometres northwest of Stewart, 2.5 kilometres west-northwest of Mount Snippaker.

CLAIMS: HANDEL (10 units), RAVEL (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The property is underlain by a sequence of andesite and argillites (Upper Triassic) that host scattered sphalerite-galena-pyrite-chalcopyrite and/or precious metal-bearing quartz veins.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 16 silt, 7 soil, and 27 rock samples analysed for gold, lead, zinc, copper, and silver, covering Handel and Ravel.

REFERENCE: Assessment Report 9253.

BAX (Fig. E-1, NTS 104, No. 27)

LOCATION: Lat. 56° 43' Long. 130° 59' (104B/10W)
LIARD M.D. One hundred and eight kilometres northwest of Stewart, 5 kilometres southeast of Mount Verrett on the east bank of Verrett River.

CLAIM: BAX (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Outcrops consist of massive and agglomeratic felsic volcanic rocks with thin chert interlayers. Mineralization consists of minor amounts of pyrite in the chert and in sheared felsic volcanic rocks.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 1 (10 kilogram) sample, 9 soil samples, and 3 rock samples analysed for gold, silver, chromium, copper, molybdenum, lead, and zinc, covering Bax.

REFERENCE: Assessment Report 9188.

BURTON, CUMMINGS (Fig. E-1, NTS 104, No. 29)

LOCATION: Lat. 56° 33' Long. 131° 07' (104B/11E)
LIARD M.D. One hundred kilometres northwest of Stewart, just northeast of Brunt Mountain.

CLAIMS: BURTON (8 units), CUMMINGS (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Intercalated andesite tuffs and flow rocks overlie a mixed assemblage of argillites, tuffs, and limestone. The sedimentary and volcanic rocks are intruded by an altered granitic stock. Small quartz veins developed at the granite contact contain pyrite, galena, sphalerite, and chalcopyrite.

WORK DONE: Surface geological mapping, 1:10 000, covering Burton and Cummings; geochemical survey, 6 silt samples, covering Burton, and 15 silt samples, covering Cummings, analysed for gold, lead, copper, and silver and 2 rock samples, covering Burton, and 6 rock samples, covering Cummings, analysed for gold, silver, lead, copper, and zinc.

REFERENCE: Assessment Report 9190.

CAT, JOHNNY MTN. (Fig. E-1, NTS 104, No. 165)

LOCATION: Lat. 56° 38' Long. 131° 05' (104B/11E)
LIARD M.D. One hundred kilometres northwest of Stewart, between the Iskut River to the north and the Craig-Jekill River confluence to the south.

CLAIMS: REG 1 to 4 (20 units each), REG 5 and 6 (16 units each).

OWNER: SKYLINE EXPLORATIONS LTD., 409, 837 West Hastings Street, Vancouver.

METALS: (Gold, silver, copper, lead).

DESCRIPTION: The area is part of a belt of felsic volcanic rocks of Late Triassic age and characterized by the presence of welded tuffs and rhyolitic dykes. Mineralization is massive siliceous pyrite with varying amounts of chalcopyrite. Assays of gold and silver have been obtained.

WORK DONE: Surface geological mapping, 1:5000, 1:500, 1:400, 1:250, 1:100; 60 samples analysed for copper, lead, zinc, silver, and gold; trenching, 89.2 metres, covering Reg 3 and 4.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 41; Assessment Report 9090; Mineral Inventory 104B-77, 107.

BACH (Fig. E-1, NTS 104, No. 30)

LOCATION: Lat. 56° 47′ Long. 131° 01′ (104B/14E)
LIARD M.D. One hundred and twelve kilometres northwest of Stewart, 5 kilometres north-northeast of Mount Verrett.

CLAIM: BACH (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: Outcrops consist of porphyritic basalt flows and agglomerates intruded by alaskite and overlain by coarse conglomerate. Mineralization consists of pervasive fine-grained pyrite in all rock units.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 26 soil samples, 11 silt samples, and 1 (10 kilogram) rock sample analysed for gold, silver, and lead, covering Bach.

REFERENCE: Assessment Report 9192.

WARRIOR (Fig. E-1, NTS 104, No. 31)

LOCATION: Lat. 56° 49′ Long. 130° 55′ (104B/15W)
LIARD M.D. One hundred and sixteen kilometres northwest of Stewart, 14 kilometres northeast of Mount Verrett.

CLAIMS: WARRIOR 1 to 3 (20 units each).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The claim is underlain by mafic volcanic rocks and black argillite which are intruded by quartz monzonite.

WORK DONE: Surface geological mapping, 1:10 000, and geochemical survey, 27 silt and 137 soil samples analysed for gold and silver and 12 rock samples analysed for gold, silver, lead, copper, and zinc, covering all claims.

REFERENCE: Assessment Report 9224.

TELEGRAPH CREEK 104G

LITTLE LES (Fig. E-1, NTS 104, No. 167)

LOCATION: Lat. 57° 07′ Long. 130° 38′ (104G/2E)
LIARD M.D. Approximately 94 kilometres southeast of Telegraph Creek, lying 6.5 kilometres north of the arch of More Creek.

CLAIMS: MORE (20 units), TWO MORE (2 units).

OWNER: TECK CORP., 1199 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: The property is underlain by a structurally complex assemblage of sedimentary and volcanic rocks intruded by a chloritic diorite, felsites, and porphyritic dykes. Pyritization is widespread; a small zone of fairly consistent, low-grade copper mineralization with gold is present.

WORK DONE: Geological mapping, 1:2500; geochemical survey, 312 soil samples analysed for copper, molybdenum, gold, silver, and zinc, covering both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 37; Assessment Report 9041; Mineral Inventory 104G-79.

BJ (Fig. E-1, NTS 104, No. 166)

LOCATION: Lat. 57° 08′ Long. 130° 57′ (104G/2W)
LIARD M.D. Approximately 53 kilometres south-southeast of the townsite of Telegraph Creek, on the western edge of Mess Creek, approximately 17 kilometres southwest of Arctic Lake.

CLAIMS: BJ (20 units), BEE (4 units), JAY (20 units), WINDY (18 units), GREY (12 units), RAINY (12 units), DAY (8 units), VERY (7 units), VALLEY (8 units), HAZARD (4 units), FALL (6 units), SNOW (20 units), ICE (12 units).

OWNER: TECK CORP., 1199 West Hastings Street, Vancouver.

DESCRIPTION: The property is underlain by Permian and older metamorphic rocks, regionally folded and faulted. Rock types range from greenstones and chlorite schists to phyllites and quartz-sericite schists. No later intrusive rocks were noted.

WORK DONE: Geochemical survey, 172 soil samples analysed for silver, copper, molybdenum, and zinc and 332 rock samples analysed for gold, silver, copper, molybdenum, lead, zinc, arsenic, and mercury, covering Windy, Grey, BJ, Bee, and Jay; trenching, 61 metres, on Grey and Jay.

REFERENCE: Assessment Report 9040.

SPHAL (GOAT, KIM) (Fig. E-1, NTS 104, No. 32)

LOCATION: Lat. 57° 03′ Long. 131° 19′ (104G/3W)
LIARD M.D. Approximately 30 kilometres southwest of Terrace, astride Sphaler Creek, the headwaters of Galore Creek lying 9 kilometres to the northwest of the claims.

CLAIMS: KIM 1 to 10 , 38, 40, 42, SPHAL 7 to 12, 19 to 33, SPHAL Fraction.

OWNER: Silver Standard Mines Ltd.

OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver.

METAL: Copper.

DESCRIPTION: The south side of Sphaler Creek is underlain by Upper Triassic augite andesite flows, agglomerates, and limy tuffs and intruded by small, irregular bodies of monzonite. The north side of the creek is similar but with north-south fault zones cutting high-grade copper showings.

WORK DONE: Linecutting, 11.8 kilometres; surface geological mapping, 1:2000; ground magnetometer survey, 11.8 kilometres; and geochemical survey, 201 soil samples analysed for molybdenum, copper, gold, mercury, and zinc, covering Sphal 29-31, 33 and Kim 1-3, 5.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1963, p. 8; 1964, p. 17; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 60; *Geol. Surv., Canada*, Map 1957-9; Assessment Reports 565, 681, 8424; Mineral Inventory 104G-22.

TELEGRAPH CREEK AREA (Fig. E-1, NTS 104, No. 168)

LOCATION: Regional. (104G/5, 12, 13)
LIARD and ATLIN M.D. Along the eastern margin of the Coast Mountains, Telegraph Creek area.

CLAIMS: Regional.

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

WORK DONE: Geochemical survey, 178 silt samples analysed for gold, silver, copper, lead, and mercury, covering 800 square kilometres.

REFERENCE: Assessment Report 9025.

LIARD COPPER, NABS (Fig. E-1, NTS 104, No. 33)

LOCATION: Lat. 57° 22′ Long. 131° 00′ (104G/6E, 7W)
LIARD M.D. Sixty-one kilometres south of Telegraph Creek, 9.5 kilometres southwest of Mess Lake.

CLAIMS: Four hundred and fifty-one claims including BIRD, BUD, GAV, A, BB, DAVE, EMU, ID, NOV, SNO, SUE, MESS, JACK, LL, RUM, X–RAY, P, plus SCHAFT (20 units), HICKMAN (4 units), LACASSE (20 units), GOAT 1 (18 units), EXTRA (10 units).

OWNER: Teck Corp.

OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver.

METALS: Copper, molybdenum.

DESCRIPTION: Mineralization occurs predominantly in highly altered andesitic pyroclastic and fragmental volcanic rocks intruded by intermediate to felsic dykes bordering on the contact of the quartz diorite to granodiorite Hickman batholith. Primary mineralization is chalcopyrite with lesser bornite and molybdenite occurring as fracture fillings in volcanic rocks and partly as disseminations in intrusive rocks.

WORK DONE: Prospecting, covering Goat; trenching and road construction, approximately 5 kilometres on Lacasse; surface diamond drilling, 45 NQ holes totalling 14 522.5 metres, on Bird 2-4, Gav 68 Fraction, Sno 7, Schaft; induced polarization survey, 9 kilometres, covering Schaft, Lacasse.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, pp. 49-57; Exploration in B.C., 1975, p. E 184; 1976, pp. E 184, E 185; 1977, p. E 224; 1978, p. E 258; Assessment Reports 6525, 6939, 7869, 8832; Mineral Inventory 104G-15, 30 to 32.

LATE (Fig. E-1, NTS 104, No. 183)

LOCATION: Lat. 57° 27′ Long. 131° 02′ (104G/6E)
LIARD M.D. Sixty kilometres south of Telegraph Creek and 24 kilometres north-northeast of Mount Hickman, 1 kilometre east of Schaft Creek.

CLAIM: LATE (16 units).

OWNER: TECK CORP., 1199 West Hastings Street, Vancouver.

DESCRIPTION: Triassic rocks, probably Takla Group equivalents, consisting of intermediate volcanic flows, pyroclastic rocks, and derived sedimentary rocks, occur in a north/south-trending belt. The claim is at the contact between the volcanic rocks and two intrusive units, hornblende-biotite granodiorite to the north and porphyritic quartz monzonite in the south. Sparse chalcopyrite and bornite mineralization is most prominent in shear/alteration zones along the intrusive contact.

WORK DONE: Surface geological mapping, 1:5000, covering Late.

REFERENCE: Assessment Report 9660.

RUN (Fig. E-1, NTS 104, No. 35)

LOCATION: Lat. 57° 17′ Long. 130° 53′ (104G/7W)
LIARD M.D. Sixty-eight kilometres south-southeast of Telegraph Creek, 17 kilometres south of Mess Lake, on the east side of Mess Creek.

CLAIMS: BE 1 to 6 (20 units each).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum.

DESCRIPTION: The property is underlain by Triassic intermediate volcanic rocks which have been intruded by irregular-shaped monzonite stocks and dykes. Disseminated and fracture-filling chalcopyrite and molybdenite occur near the contacts both in the intrusive and in the volcanic country rocks.

WORK DONE: Induced polarization survey, 3.72 kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 185; 1977, pp. E 244, E 245; Assessment Reports 3093, 3577, 3989, 4100, 4755, 6162, 6391, 6875; Mineral Inventory 104G-40.

DAGO, SILVER RUN (Fig. E-1, NTS 104, No. 169)

LOCATION: Lat. 57° 17′ Long. 130° 43′ (104G/7E)
LIARD M.D. Forty kilometres southwest of Kinaskan Lake, 12 kilometres southwest of the headwater lake of Little Iskut River.

CLAIMS: DAGO (12 units), SILVER RUN (12 units), HAROLD (10 units), HECTOR (6 units), MAXIMO–JO (16 units).

OWNER: John Mirko.

OPERATOR: EDZIZA RESOURCES LTD., 811, 543 Granville Street, Vancouver V6C 1X8.

DESCRIPTION: Siltstones, greywackes, and minor calcareous rocks (Triassic) are intruded by small plugs of syenite porphyry, felsite, and andesite dykes (Cretaceous to Tertiary). Sulphide mineralization is associated with the intrusive rocks.

WORK DONE: Airborne electromagnetic and ground electromagnetic surveys, 44 kilometres; linecutting, 5 kilometres; ground electromagnetic survey, 5 kilometres; surface geological mapping, 1:5000; geochemical survey, 38 rock samples analysed for copper, lead, zinc, gold, and silver and 378 soil samples analysed for copper, lead, zinc, and silver, covering Dago and Silver Run.

REFERENCE: Assessment Report 8738.

ME, ROG, MARY–GREG (Fig. E-1, NTS 104, No. 36)

LOCATION: Lat. 57° 15′ Long. 130° 26′ (104G/8W, 1W, 2E)
LIARD M.D. Approximately 10.6 kilometres west of the junction of Iskut River and Ball Creek, with Ball Creek cutting through the centre of the group in an east-west direction.

CLAIMS: ROG 1 to 34, ME 1 to 18, TARA 1 to 27, MOM 4 to 11, BARE 1 and 2, BR 1 to 3, and MENT (7 units), DON 1 (20 units), DON 2 (20 units), DON 3 (18 units), DON 4 (16 units), DON 5 (16 units), BALL 1 (10 units), BALL 2 (15 units), BALL 3 (15 units), BALL 4 (20 units).

OWNER: Norcen Energy Resources Ltd.

OPERATOR: VANGULF EXPLORATION CO. LTD., Kellogg, Idaho, U.S.A.

METALS: Copper, molybdenum, lead, zinc.

DESCRIPTION: The property is underlain by a sequence of basalt, pyroclastic rocks, and related subvolcanic intrusive rocks cut by southwesterly-northeasterly faults. The rocks contain pyrite, pyrrhotite, and minor chalcopyrite. Minor molybdenite occurs in widespread quartz veins. Galena and sphalerite occur in carbonate veins.

WORK DONE: Diamond drilling, 2 NQ holes totalling 953.1 metres; geochemical survey, 31 rock and 140 soil samples analysed for molybdenum, copper, lead, zinc, manganese, fluorine, and sulphur and selected samples for tin, tungsten, gold, and silver; geological mapping, 1:1000, covering Me.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1929, p. 114; 1963, p. 9; *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1970, p. 61; 1972, p. 530; 1973, p. 506; 1974, p. 338; Assessment Reports 3186, 3978, 3979, 4651, 5168, 8546; Mineral Inventory 104G-18, 42, 70.

GJ, GOAT HORN (Fig. E-1, NTS 104, No. 37)

LOCATION: Lat. 57° 40' Long. 130° 13' (104G/9E)
LIARD M.D. Sixty kilometres east-southeast of Telegraph Creek, between Kakiddi Lake and Kinaskan Lake.

CLAIMS: GOAT (16 units), GOAT HIDE (12 units), GOAT HORN (12 units), LITTLE GOAT (3 units), MISTY MOUNTAINS (9 units), RIVENDELL (9 units), NANNY GOAT (3 units), BILLY GOAT (3 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, gold.

DESCRIPTION: Mesozoic volcanic and sedimentary rocks have been intruded by an elongate pluton, ranging in composition from diorite to monzonite. Quartz vein stockworks carrying pyrite and chalcopyrite are developed in both the pluton and the intruded rocks.

WORK DONE: Surface diamond drilling, 5 BQ holes totalling 1 114.9 metres; 363 rock samples analysed for copper, gold, and silver, on Goat Hide.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1965, p. 43; *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1970, pp. 58-60; Exploration in B.C., 1976, pp. E 185, E 186; 1977, pp. E 225, E 226; Assessment Reports 700, 6073, 6090, 6541, 8498; Mineral Inventory 104G-34, 86.

SPECTRUM, RED DOG (Fig. E-1, NTS 104, No. 38)

LOCATION: Lat. 57° 41' Long. 130° 29' (104G/9W)
LIARD M.D. Forty-eight kilometres southeast of Telegraph Creek, 3.5 kilometres southwest of Nuttlude Lake.

CLAIMS: RED DOG (2 units), RED DOG (15 units), PINK (20 units), RED (20 units).

OWNER: CONSOLIDATED SILVER RIDGE MINES LTD., 1450, 625 Howe Street, Vancouver V6C 2T6.

METALS: Zinc, lead, gold, silver, copper, molybdenum.

DESCRIPTION: Upper Triassic sedimentary, pyroclastic, and volcanic flow rocks are cut by a granodiorite dyke. Pyrite and pyrrhotite occur in fractures and disseminations in volcanic rocks. Pyrite and chalcopyrite are disseminated in the dyke rock and its fractures. Pyrite, arsenopyrite, sphalerite, and galena occur in narrow quartz-carbonate veins in sedimentary and volcanic rocks. Pyrite, pyrrhotite, chalcopyrite, and magnetite replace limy rocks.

WORK DONE: Diamond drilling, 18 NQ holes totalling 2 336 metres, on Red Dog.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 531; Exploration in B.C., 1978, p. E 258; 1979, p. 283; Assessment Reports 7000, 7586, 8853; Mineral Inventory 104G-36, 88.

SF, NUTTLUDE LAKE (Fig. E-1, NTS, 104, No. 40)

LOCATION: Lat. 57° 42.5' Long. 130° 17' (104G/9W)
LIARD M.D. Approximately 7.4 kilometres northeast of the northern tip of Kakiddi Lake and 7 kilometres east of Nuttlude Lake.

CLAIMS: HORN (12 units), SILVER 1 (20 units), SILVER 2 (20 units), SILVER 3 (20 units), SILVER 4 (20 units).

OWNERS: D. A. McLeod and ERL Resources Ltd.

OPERATOR: ERL RESOURCES LTD., 1450, 625 Howe Street, Vancouver V6C 1T6.

METALS: Silver, lead, zinc, copper, barite.

DESCRIPTION: Upper Triassic volcaniclastic rocks underlie the property. Most important are conglomerates which have been subdivided into red, green, and brown conglomerates. The green conglomerate unconformably overlies the red and is conformably overlain by the brown. Mineralization consists of silver-bearing barite veins in shear zones in the red conglomerate.

WORK DONE: Prospecting and geochemical soil survey, 181 samples analysed for copper, lead, zinc, silver, and gold, covering Horn.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 41; Assessment Report 8747; Mineral inventory 104G-35.

AL (Fig. E-1, NTS 104, No. 34)

LOCATION: Lat. 57° 45' Long. 130° 21' (104G/9W)
LIARD M.D. Approximately 30 kilometres southwest of Iskut, 5.5 kilometres north-northwest of the northern tip of Nuttlude Lake.

CLAIMS: AL 3 and 4.

OWNER: Silver Standard Mines Ltd.

OPERATOR: TECK EXPLORATIONS LTD., 1199 West Hastings Street, Vancouver.

METAL: Copper.

WORK DONE: Self-potential survey.

REFERENCES: Assessment Reports 3239, 6760, 8425; Mineral Inventory 104G-44.

KLASTLINE, KONA (Fig. E-1, NTS 104, No. 39)

LOCATION: Lat. 58° 42' Long. 130° 29' (104G/9W)
LIARD M.D. Forty-eight kilometres southeast of Telegraph Creek, 2 kilometres southwest of Nuttlude Lake.

CLAIMS: HAWK 1 (18 units), HAWK 2 (20 units).

OWNER: NEWHAWK GOLD MINES LTD., 1450, 625 Howe Street, Vancouver V6C 2T6.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: North and northwest-trending quartz veins cut Upper Triassic volcanic and pyroclastic rocks which have been intruded by northeast-trending dykes of Jurassic to Cretaceous quartz monzonite. Individual veins range from 10 centimetres to over 1 metre in width. They generally contain fairly massive sections of pyrite, arsenopyrite, and sphalerite with lesser amounts of galena and chalcopyrite in a quartz-calcite gangue.

WORK DONE: Underground adit, 235 metres; underground diamond drilling, 9 EWT and BQ holes totalling 430.2 metres, on Hawk 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1979, pp. 283, 284; Assessment Reports 201, 7189, 9082; Mineral Inventory 104G-5, 6.

MIST (Fig. E-1, NTS 104, No. 41)

LOCATION: Lat. 57° 38' Long. 131° 50' (104G/12W)
LIARD M.D. Fifty kilometres southwest of Telegraph Creek, covering the headwaters of Misterjay Creek.

CLAIMS: MIST 1 (20 units), MIST 2 (15 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The claim is underlain by mafic volcanic flow rocks with associated cherty tuffs and agglomerates. The volcanic rocks are intruded by irregular gabbro bodies. The cherty tuffs are pyritic.

WORK DONE: Surface geological mapping, 1:10 000 and geochemical survey, 21 silt samples and 1 rock sample analysed for gold, covering Mist 1 and 2.

REFERENCE: Assessment Report 9218.

TUFF (Fig. E-1, NTS 104, No. 42)

LOCATION: Lat. 57° 45' Long. 131° 52' (104G/13W)
LIARD M.D. Forty-five kilometres west-southwest of Telegraph Creek, on the southwest side of Mount Barrington.

CLAIM: TUFF 1 (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The main rock tuffs on the property are basalt and rhyolite. These are intruded by granite in the east-central part and by andesite dykes in the northeast and northwest sections of the claims. In the extreme northeastern corner a large gossan covers basaltic rocks which contain substantial disseminated pyrrhotite.

WORK DONE: Surface geological mapping, 1:10 000 and geochemical survey, 32 silt samples and 2 rock samples analysed for gold and silver (one for lead and copper), covering Tuff.

REFERENCE: Assessment Report 9200.

POKE (Fig. E-1, NTS 104, No. 170)

LOCATION: Lat. 57° 48′ Long. 131° 53′ (104G/13W)
LIARD M.D. Approximately 5.2 kilometres directly west of the junction of Limpoke Creek and Barrington River.
CLAIM: LIMP 2 (16 units).
OWNER: TECK CORP., 1199 West Hastings Street, Vancouver.
METAL: (Copper).
WORK DONE: Geochemical survey, 110 soil samples analysed for lead, zinc, silver, gold, molybdenum, and copper, covering Limp 2.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 18; Assessment Reports 535, 9092; Mineral Inventory 104G-1.

BAR (Fig. E-1, NTS 104, No. 43)

LOCATION: Lat. 57° 49.5′ Long. 131° 50′ (104G/13W)
LIARD M.D. Forty-two kilometres west-southwest of Telegraph Creek, 5 kilometres southwest of Mount Rowgeen.
CLAIM: BAR 1 (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION: The claims are underlain by Upper Triassic Stuhini Group sedimentary and volcanic rocks. The area mapped is composed of massive tuffs, crystal tuffs, and cherty tuffs. Development of a skarn assemblage across almost the entire development area is evident. An exposure of andesite occurs near the eastern clain boundary.
WORK DONE: Surface geological mapping, 1:10 000 and geochemical survey, 9 soil samples analysed for gold, silver, chronium, copper, molybdenum, lead, and zinc and 3 rock samples analysed for gold, covering Bar 1.
REFERENCE: Assessment Report 9193.

JO (Fig. E-1, NTS 104, No. 171)

LOCATION: Lat. 57° 47.5′ Long. 130° 12.5′ (104G/16E)
LIARD M.D. Approximately 6 kilometres south-southwest of the junction of Tsazia Creek and Klastline River and approximately 15 kilometres east-northeast of Nuttlude Lake and the mouth of Kakiddi Creek.
CLAIMS: CASTLE 1 (15 units), CASTLE 2 (12 units).
OWNER: TECK CORP., 1199 West Hastings Street, Vancouver.
METAL: (Copper).
DESCRIPTION: The property is mostly underlain by andesitic flows and pyroclastic rocks of Late Triassic age. Felsite and feldspar porphyry dykes intrude the sedimentary and volcanic rocks. All are overlain by Quaternary to Recent olivine basalt tephra.
WORK DONE: Surface geological mapping, 1:2500 and geochemical survey, 226 soil samples analysed for copper, molybdenum, gold, silver, and zinc, covering Castle 1 and 2.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 506; Assessment Reports 3291, 9117; Mineral Inventory 104G-76.

SPATSIZI RIVER 104H

BONANZA, ELDORADO (Fig. E-1, NTS 104, No. 44)

LOCATION: Lat. 58° 45' Long. 129° 39' (104H/12E, 13E)
LIARD M.D. Approximately 24 kilometres from the junction of the Stikine and Klappan Rivers, with tributaries from the Klappan River flowing into the property.

CLAIMS: BONANZA (20 units), ELDORADO (20 units), LITTLE JOE (10 units), ADAM (10 units), DUDE (12 units), BEN (6 units), SALOON (7 units), HOSS (6 units).

OWNERS: Texasgulf Canada Ltd. and Esso Resources Canada Ltd.

OPERATOR: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, molybdenum, gold.

DESCRIPTION: The property is underlain by Upper Triassic volcanic and volcaniclastic sedimentary rocks. The dominant lithologies are interlayered basalts, trachybasalt, and trachyandesite flows with minor volcanic wacke, sandstone, and siltstone. The Triassic rocks are in fault contact to the southeast with Middle Jurassic Bowser Group sedimentary rocks.

WORK DONE: Linecutting, 23.5 kilometres; induced polarization survey, 23.5 kilometres; ground magnetometer survey, 23.5 kilometres, covering Eldorado and Bonanza; geochemical survey, 177 soil samples analysed for copper, molybdenum, and zinc, covering Eldorado, Bonanza, and Dude; diamond drilling, four BQ holes totalling 636.13 metres, on Eldorado and Bonanza.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. 187; 1976, p. 186; 1977, p. 227; 1979, pp. 284, 2850; Assessment Reports 6016, 6368, 7871, 8351, 9132; Mineral Inventory 104H-13.

RED, CHRIS, SUS, WINDY (Fig. E-1, NTS 104, No. 47)

LOCATION: Lat. 57° 42' Long. 129° 48' (104H/12W)
LIARD M.D. Twelve kilometres southeast of Eddontenajon Lake, 2 kilometres west-northwest of Kluea Lake.

CLAIMS: RED 4 to 34, SUS 79, 81, 83, CHRIS 1 to 24, MONEY 1 to 30, 32, 34, 36, 38, 40 to 59, 61, 63, RAF 1 to 6, COUGAR 1 to 8 Fractions, plus SUS NORTH (12 units), SUS SOUTH (12 units), SUS WEST (6 units), CHRIS NORTH (4 units), RED NORTH (8 units), RED SOUTH (8 units), FUN (4 units), VIRGO (3 units), CAPRICORN (12 units), TAURUS (4 units), PISCES (4 units), CANCER (6 units), SAGITTARIUS (6 units), LIBRA (4 units), GEMINI (4 units), SCORPIO (8 units), LEO (1 unit), AQUARIUS (5 units), ARIES (2 units).

OWNERS: Kidd Creek Mines Ltd., Silver Standard Mines Ltd., and Norcen Energy Resources Ltd.

OPERATOR: KIDD CREEK MINES LTD., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, gold.

DESCRIPTION: An elongate monzonite intrusion, with strong to intense argillic alteration and much disseminated pyrite, intrudes Mesozoic volcanic and volcaniclastic rocks. Copper-gold mineralization occurs in quartz vein stockwork and as disseminations in the intrusive rocks.

WORK DONE: Diamond drilling, two BQ holes totalling 626.3 metres, on Red 9.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1956, p. 14; *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1972, pp. 535-537; 1973, p. 509; 1974, pp. 340-343; Geology in B.C., 1975, pp. 85-87; Exploration in B.C., 1976, pp. E 187, E 188; 1977, p. E 227; 1978, p. E 260; Geological Fieldwork, 1976, Paper 1977-1, pp. 71, 72; Assessment Reports 2164, 2165, 3044, 3202, 5297, 5741, 6111, 6489, 6872, 8994; Mineral Inventory 104H-2, 4 to 6.

MFJ, KLAPPAN (EALUE LAKE, ROSE) (Fig. E-1, NTS 104, No. 45)

LOCATION: Lat. 57° 47' Long. 129° 52' (104H/13W)
LIARD M.D. On Ehaheizetle Mountain, between Ealue Lake and Eddontenajon Lake.

CLAIMS: ROSE OF KLAPPAN (20 units), LANCASTRIAN ROSE (3 units), ORGY (2 units), WESTERN (10 units), ROSE OF YORK (3 units), LAST ROSE OF SUMMER (9 units), UNION (15 units), KING RICHARD III (1 unit), OKAY (1 unit), BOSWORTH FIELD (2 units), TUDOR (6 units), KING HENRY VII (6 units), CHECK (8 units), ROGER (3 units), YACU (4 units).

OWNER: Texasgulf Canada Ltd.

OPERATOR: TEXASGULF INC., 701, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, gold.

DESCRIPTION: Small irregular bodies of hornblende monzonite intruded by a thick pile of Mesozoic volcanic and volcaniclastic rocks. Some intrusive bodies show strong quartz-sericite-pyrite alteration. Chalcopyrite occurs in quartz vein stockworks in monzonite and adjacent volcanic rocks.

WORK DONE: Surface diamond drilling, one BQ hole totalling 258 metres; 84 rock samples analysed for copper and silver in some for gold, on Western.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1929, p. 32; *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1971, p. 42; Exploration in B.C., 1975, p. E 187; 1976, p. E 188; 1977, pp. E 228, 229; 1979, pp. 285, 286; Assessment Reports 3128, 6093, 6511, 7375, 7517, 8481; Mineral Inventory 104H-1.

BROCK (Fig. E-1, NTS 104, No. 46)

LOCATION: Lat. 57° 49' Long. 129° 26' (104H/14W)
LIARD M.D. Twenty kilometres southeast of the Stikine River and Klappan River junction.

CLAIMS: BROCK 1 (18 units), BROCK 2 (9 units).

OWNER: SEAMUS YOUNG, 715, 475 Howe Street, Vancouver V6C 2B3.

METAL: (Copper).

DESCRIPTION: Pyrite, chalcopyrite, malachite, and specularite occur in veinlets cutting mafic to intermediate volcanic rocks. Similar mineralization occurs in granitic rocks exposed in two shallow trenches.

WORK DONE: 1979 – prospecting, covering both claims.

REFERENCE: Assessment Report 8432.

CRY LAKE 104I

CRY LAKE AREA (Fig. E-1, NTS 104, No. 189)

LOCATION: Regional (104I/1, 2, 5 to 8, 11, 12)
LIARD M.D. Along the eastern margin of the Intermontane Belt, Cry Lake area.

CLAIMS: Regional.

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

WORK DONE: Geochemical survey, 319 silt samples analysed for gold, silver, copper, lead, and mercury, covering entire area.

REFERENCE: Assessment Report 9024.

JEFF (Fig. E-1, NTS 104, No. 49)

LOCATION: Lat. 58° 12' Long. 128° 22' (104I/1W, 2E)
LIARD M.D. Twenty-one kilometres southeast of the south end of Rainbow Lakes, at the head of a westward flowing tributary of Kutcho Creek.

CLAIMS: JEFF 1 to 9, 13 to 138, KRIS 1 to 9, 11 to 16, JENN 1 to 9, LIN 11, 39, 40, REX 1 to 4 Fractions, MOC 1 (6 units), STU 1 (6 units), ANDREA 1 (14 units), SVELA 1 (6 units), CGL 1 (12 units), CGL 2 (10 units), LIN 1 Fraction, CGL 1 Fraction.

OWNER: ESSO RESOURCES CANADA LTD., 314, 1281 West Georgia Street, Vancouver V6E 3J7.

METALS: Copper, zinc, silver, (lead, gold, cadmium).

DESCRIPTION: Ten sulphide zones within rhyolitic tuffs, with minor basaltic flows and tuffs, occur at five stratigraphical levels. Four massive sulphide zones of economic significance occur along the same stratigraphical horizon near the top of the last volcanic cycle.

WORK DONE: Diamond drilling, 4 holes, totalling 4 491.2 metres, plus wedged branches, on Jeff 96, 112.

REFERENCES: Mineral Inventory 104I-61; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 189; 1977, p. E 230; 1978, p. E 260; 1979, p. 287; Assessment Reports 4863, 5120, 5294, 5475, 5641, 5778, 6025, 6026, 6038, 6039, 6273, 6343, 6373, 7433, 7437, 7537, 7599, 7914, 8273, 8381, 8395.

SMRB, KUTCHO (Fig. E-1, NTS 104, No. 48)

LOCATION: Lat. 58° 12' Long. 128° 23' (104I/1W)
LIARD M.D. Twenty-one kilometres south-southeast of Rainbow Lakes, at the headwaters of a westerly flowing tributary of Kutcho Creek; the SMRB claims are surrounded by the Jeff, the KC, and the MC claims.

CLAIMS: SMRB 1 to 16, KC 1 to 8. 12 to 17, 19 to 33, 60, 62, 64, 66, 68, 70, 81 to 92, 97 to 99, 102 to 106, 108 to 121, KC 122 (3 units), MC 1 to 5 (24 units).

OWNER: SUMAC MINES LTD., Box 10150, Pacific Centre, 1650, 701 West Georgia Street, Vancouver V7Y 1C8.

METALS: Copper, zinc, gold, silver.

DESCRIPTION: The property is underlain by felsic, mafic, and pelitic schists which occur as part of a succession of volcaniclastic and sedimentary rocks. Mineralization is composed of massive pyritic copper and zinc sulphide bodies which occur in sericite quartz schist. The type of mineralization is volcanogenic.

WORK DONE: Induced polarization survey (charged potential), 7.8 kilometres, on KC 12-17, 20-33; diamond drilling, 23 BQ holes, totalling 3 792 metres, on SMRB 1-16 and KC 17.

REFERENCES: Mineral Inventory 104I-60; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 510; 1974, p. 348; Exploration in B.C., 1975, p. E 189; 1976, p. E 190; 1977, p. E 231; 1978, pp. E 261, E 262; 1979, pp. 286, 287; Assessment Reports 5778, 6025, 6026, 6038, 6039.

P (Fig. E-1, NTS 104, No. 56)

LOCATION: Lat. 58° 14' Long. 128° 45' (104I/2)
LIARD M.D. Approximately 29 kilometres south-southeast of the junction of Flat Creek and Turnagain River.

CLAIMS: P 1 to 4 (10 units each).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claim group is underlain by sedimentary rocks, mafic volcanic rocks, and serpentinized peridotite of the Cache Creek Group and sedimentary rocks of the Inklin Formation. Minor disseminated pyrite was found.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 46 silt samples and 1 rock sample analysed for gold, on all claims.

REFERENCE: Assessment Report 9291.

KUTCHO (Fig. E-1, NTS 104, No. 172)

LOCATION: Lat. 58° 12' Long. 128° 31' (104I/2E, 1W)
LIARD M.D. Approximately 35 kilometres southeast of the junction of Turnagain River and Flat Creek, on the western bank of Kutcho Creek.

CLAIMS: KUTCHO 1 (12 units), KUTCHO 2 (15 units), KUTCHO 3 (12 units), KUTCHO 4 (20 units), KUTCHO 5 (8 units), KUTCHO 6 (8 units).

OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver V6B 3T5.

METAL: Copper.

DESCRIPTION: Kutcho Formation is observed as a sequence of basic to acidic volcanic flow and pyroclastic rocks overlain by limestones and phyllites. An anticline-syncline series of folds is indicated with ores plunging west to northwest and axial planes dipping steeply north.

WORK DONE: Geological mapping, 1:5000, on all claims.

REFERENCES: Mineral Inventory 104I-72; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 262; Assessment Reports 6210, 6374, 6375, 6686, 9170.

O 1 (Fig. E-1, NTS 104, No. 55)

LOCATION: Lat. 58° 13' Long. 128° 37' (104I/2E)
LIARD M.D. Approximately 31 kilometres southeast from the junction of Flat Creek and Turnagain River with Kehlechoa River lying 2 kilometres west of the property.

CLAIM: O 1 (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The property straddles the Naldin fault which separates Lower Jurassic Inklin Formation to the south from Mississippian Cache Creek Group to the north. The claim contains mainly graphitic phyllite with minor interbedded phyllite tuffs and greywackes. Thin beds of limestone, chert, quartzite, and serpentinized ultramafics also occur.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 24 silt samples analysed for gold.
REFERENCE: Assessment Report 9340.

BEE (Fig. E-1, NTS 104, No. 57)

LOCATION: Lat. 58° 10' Long. 128° 47.5' (104I/2W)
LIARD M.D. Approximately 38 kilometres south from the junction of Kutcho Creek and Turnagain River with Kehlechoa River lying 1 kilometre east of the property.
CLAIMS: Q 1 (10 units), Q 2 and Q 3 (20 units each).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
METAL: Copper.
DESCRIPTION: The property straddles the King Salmon fault, a thrust separating Upper Triassic and Lower Jurassic rocks to the south from Mississippian Cache Creek Group metavolcanic rocks, phyllites, serpentinized ultramafics, and fetid limestone.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 18 soil and 52 silt samples analysed for gold and 3 rock samples assayed for gold and silver, on all claims.
REFERENCES: Mineral Inventory 104I-10; *Minister of Mines, B.C.*, Ann. Rept., 1962, p. 135; Assessment Report 9339.

R (Fig. E-1, NTS 104, No. 58)

LOCATION: Lat. 58° 22' Long. 129° 40' (104I/5E)
LIARD M.D. Approximately 43 kilometres southwest of the southern tip of Cry Lake with Zuback Creek lying 1 kilometre north of the property.
CLAIM: R 1 (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.
DESCRIPTION: The claim is entirely underlain by ablation moraine.
WORK DONE: Geochemical survey, 20 soil samples analysed for gold.
REFERENCE: Assessment Report 9284.

M (Fig. E-1, NTS 104, No. 59)

LOCATION: Lat. 58° 25' Long. 129° 33.5' (104I/5E)
LIARD M.D. Approximately 35 kilometres southwest of the southern tip of Cry Lake, with Sammy Creek cutting through the southern part of the group.

CLAIMS: M 1 (20 units), M 2 (10 units), M 3 (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by Lower Jurassic argillites and greywackes of the Inklin Formation. Disseminated pyrite occurs in localized areas of the sedimentary rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 100 soil samples analysed for gold, on all claims.

REFERENCES: Assessment Report 9283.

T (Fig. E-1, NTS 104, No. 64)

LOCATION: Lat. 58° 26' Long. 129° 26' (104I/6W)
LIARD M.D. Approximately 6.5 kilometres north of the junction of Cariboo and Burned Point Creeks.

CLAIM: T 1 (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by interbedded argillites and greywackes of the Lower Jurassic Inklin Formation.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 30 soil samples analysed for gold.

REFERENCE: Assessment Report 9290.

Y (Fig. E-1, NTS 104, No. 61)

LOCATION: Lat. 58° 18' Long. 129° 04' (104I/6E)
LIARD M.D. Approximately 12 kilometres south-southeast from the junction of Turnagain River and Greenrock Creek, with Settea Creek touching the southwest corner of the claim.

CLAIM: Y 1 (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

WORK DONE: Geological mapping, 1:10 000; geochemical survey, 9 silt samples analysed for gold.

REFERENCE: Assessment Report 9337.

JJR (V) (Fig. E-1, NTS 104, No. 60)

LOCATION: Lat. 58° 20' Long. 129° 05' (104I/6E)
LIARD M.D. Approximately 4.5 kilometres northeast of the junction of Settea Creek and Turnagain River with the tailwaters of Two Mile Creek lying 0.5 kilometre east of the group.

CLAIMS: V 1 and V 2 (16 units each).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

METAL: Chromium.

DESCRIPTION: The property is underlain by interbedded greywackes, argillites, and mafic metavolcanic rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 22 silt samples analysed for gold, on V 1.

REFERENCES: Mineral Inventory 104I-39; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 540; Assessment Report 9286.

K (Fig. E-1, NTS 104, No. 62)

LOCATION: Lat. 58° 22′ Long. 129° 02′ (104I/6E)
LIARD M.D. Approximately 9.5 kilometres northeast of the junction of Settea Creek and Turnagain River, with Two Mile Creek cutting through the centre of the group in a north-south direction.

CLAIMS: K 1 and K 2 (20 units each).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain mainly by basic volcanic rocks and ultramafics of the Cache Creek Group (Mississippian/Triassic).

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 26 silt samples analysed for gold, on both claims.

REFERENCE: Assessment Report 9287.

W (Fig. E-1, NTS 104, No. 68)

LOCATION: Lat. 58° 19.5′ Long. 128° 54′ (104I/7W)
LIARD M.D. Approximately 12 kilometres south-southeast of the junction of Turnagain River and Ferry Creek.

CLAIMS: W 1 to 4 (20 units each), W 5 (16 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The property is underlain by serpentinized peridotite, a volcanic-sedimentary sequence, and an altered dioritic intrusion, all belonging to the Cache Creek Group. Magnetite is a common constituent of the ultramafics. Minor pyrite is found in volcanic rocks as well.

WORK DONE: Geological mapping, 1:10 000, covering all claims; and geochemical surveys, 93 soil and 25 silt samples analysed for gold and silver on W 1-3 and 7 rock samples analysed for gold, silver, and copper, on W 1.

REFERENCE: Assessment Report 9289.

FLAT (Fig. E-1, NTS 104, No. 51)

LOCATION: Lat. 58° 28′ Long. 128° 51′ (104I/7W)
LIARD M.D. Seventy kilometres due east of Dease Lake, on Turnagain River, approximately 2 kilometres northeast of its junction with Flat Creek.

CLAIM: CUB (6 units).

OWNER: S. BRIDCUT, Box 6, Watson Lake, Yukon Territory.

METALS: Nickel, copper.

DESCRIPTION: The property is underlain by mafic and ultramafic intrusive rocks (Upper Triassic). Granodiorite and quartz diorite intrusive plugs occur along the mafic complex. Chromite, ilmenite, pyrrhotite, pentlandite, and chalcopyrite occur in thin massive bands, a dissemination, and in stockwork.

WORK DONE: 1979 – diamond drilling, 1 EX hole, totalling 16.8 metres, on Cub.

REFERENCES: Mineral Inventory 104I-51; ***Minister of Mines, B.C.,*** Ann. Rept., 1967, p. 28; Assessment Reports 1077, 8055.

KAM (Fig. E-1, NTS 104, No. 173)

LOCATION: Lat. 58° 22′ Long. 128° 45′ (104I/7E)
LIARD M.D. Approximately 13 kilometres southeast of the junction of Turnagain River and Ferry Creek; the claims lie 2 kilometres south of the tailwaters of Flat Creek.

CLAIMS: KAM 1 (8 units), KAM 2 (6 units), KAM 3 (20 units), KAM 4 (18 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The property is underlain by intercalated mafic volcanic rocks and derived sedimentary rocks that trend northwest and dip northeast. Serpentenized peridotite with large areas of carbonate alteration containing quartz vein swarms is present in the northern part of the group. These rocks are highly schistose and may have fault contacts.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 29 soil, 6 silt, and 7 rock samples analysed for gold, mercury, silver, copper, and lead, on all claims.

REFERENCE: Assessment Report 8907.

U (Fig. E-1, NTS 104, No. 65)

LOCATION: Lat. 58° 24.5′ Long. 128° 42′ (104I/7E)
LIARD M.D. Approximately 15 kilometres northwest from the junction of Black Creek and Letain Creek, with the tailwaters of Faulkner Creek cutting into the northern part of the property.

CLAIMS: U 1 (15 units), U 2 (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are located on the border of the Hinterland Belt and the Omineca Crystalline Belt. Two distinct rock units noted on the claims are black phyllite slate and a foliated greenstone. A banded iron formation up to 1 metre wide and 50 metres long accompanied by lenses of rhyolite occurs near the southeast corner of the U claim group. Galena occurs in quartz-carbonate veins in sericitized rock; a pyritic zone occurs in volcanic rocks.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 39 soil and 34 silt samples analysed for gold, on both claims.

REFERENCE: Assessment Report 9338.

X (Fig. E-1, NTS 104, No. 67)

LOCATION: Lat. 58° 16.5′ Long. 128° 12′ (104I/8E)
LIARD M.D. Approximately 6.5 kilometres southwest from the centre of Hottah Lake.

CLAIMS: X 1 (10 units), X 2 (20 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver.

DESCRIPTION: The claims are underlain mainly by thick flows (?) of porphyritic picritic basalt (Upper Triassic) containing 5 per cent olivine crystals. Minor pyrite and chalcopyrite occur in stringers in sheared hornblende peridotite.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 18 silt and 2 rock samples analysed for gold and silver, on both claims.

REFERENCE: Assessment Report 9285.

EWE, RAM, SHEEP (Fig. E-1, NTS 104, No. 52)

LOCATION: Lat. 58° 41' Long. 128° 07' (104I/9E)
LIARD M.D. On the north side of Turnagain River, opposite its junction with Cassiar River.

CLAIMS: SHEEP 1 to 4, RAM 15 to 20, RAM 101 (2 units), RAM 102 (1 unit), RAM 103 (1 unit), RAM 105 (1 unit), EWE 1, 3 to 6, MAY 14 (1 unit), HERB 3 to 12, LAMB 12 (1 unit).

OWNER: W. KUHN, Box 48812, Vancouver V7X 1A6.

METAL: Tungsten.

DESCRIPTION: Scheelite-bearing carbonate rocks (Lower Cambrian or Proterozoic) are compressed between intrusive rocks of the Cassiar batholith. The carbonate rocks appear to be in an overturned syncline and are cut by quartz veins and a northerly trending fault.

WORK DONE: Ground magnetometer survey, 1.25 kilometres; and sampling, soil and rock samples taken, on Sheep 1-4.

REFERENCES: Mineral Inventory 104I-25; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 41; Exploration in B.C., 1979, p. 290; Assessment Reports 5473, 5781, 6507, 6755, 7510, 7672, 8409.

JOY (EAGLE) (Fig. E-1, NTS 104, No. 63)

LOCATION: Lat. 58° 30' Long. 129° 10' (104I/11E, 6E)
LIARD M.D. Twenty kilometres south of Cry Lake, 10 kilometres southeast of Eaglehead Lake.

CLAIMS: EAGLE 1 (18 units), EAGLE 2 (20 units), and EAGLE 1 to 79, 81, 83, 85, 87, 89 to 104, 105 FR. to 113 FR., 114 to 119, 120 FR., 121 FR., 122 to 129, 130 FR., 131 FR., 132 to 139, 140 FR.

OWNERS: Esso Resources Canada Ltd. and Nuspar Resources Ltd.

OPERATOR: NUSPAR RESOURCES LTD., 305, 535 Thurlow Street, Vancouver V6E 3L2.

METALS: Copper, molybdenum, silver.

DESCRIPTION: Mineralization, mainly pyrite, chalcopyrite, bornite, and minor molybdenite, appears to be associated with an altered biotite quartz diorite phase of a large, differentiated Jurassic stock. Three main zones of mineralization are indicated and termed the Camp, Pass, and Bornite zones.

WORK DONE: Diamond drilling, 9 BQ holes, totalling 1 641 metres; airborne magnetometer survey and airborne electromagnetic survey; and geochemical survey, 165 soil samples analysed for copper, molybdenum, and silver, all on Eagle 1, 2, 96, 97, 100, 112, 120, 121, 122.

REFERENCES: Mineral Inventory 104I-8; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 190; 1976, p. E 192; 1979, p. 288; Assessment Reports 585, 3476, 4256, 5353, 6086, 6192, 7826, 8754.

S 1 (Fig. E-1, NTS 104, No. 69)

LOCATION: Lat. 58° 32′ Long. 129° 21′ (104I/11W)
LIARD M.D. Seventeen kilometres south-southwest of Cry Lake, 5 kilometres west of the south end of Eaglehead Lake.
CLAIM: S 1 (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION: The claim is covered completely by overburden.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 19 soil samples analysed for gold.

L 1 (Fig. E-1, NTS 104, No. 68)

LOCATION: Lat. 58° 34′ Long. 129° 21′ (104I/11W)
LIARD M.D. Fifteen kilometres southwest of Cry Lake, 7 kilometres west of Eaglehead Lake.
CLAIM: L 1 (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION: The claim is completely covered with overburden.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 25 soil samples analysed for gold.

N 1 (Fig. E-1, NTS 104, No. 70)

LOCATION: Lat. 58° 32′ Long. 129° 37′ (104I/12E)
LIARD M.D. Thirty kilometres southwest of Cry Lake, 19 kilometres north of Dome Mountain.
CLAIM: N 1 (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION: The claim is underlain by interbedded greywacke, argillite, and Pleistocene basalt.
WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 35 soil samples analysed for gold.

DEASE LAKE 104J

STAR, GO (Fig. E-1, NTS 104, No. 71)

LOCATION: Lat. 58° 14′ Long. 131° 45′ (104J/4)
ATLIN M.D. Approximately 9.3 kilometres north-northwest of the mouth of Hackett River and Hatchau Lake; Hackett River flows from the northwest corner to the southeast corner.
CLAIMS: STAR I (20 units), STAR II (15 units), STAR 3 (6 units), STAR 4 (2 units), STAR 5 (2 units), STAR 6 (9 units), STAR 7 (6 units), STAR 8 (1 unit), STAR 9A (4 units), STAR 10 (4 units), STAR 11 (6 units), STAR 12 (8 units), STAR 13 (4 units).
OWNERS: United Cambridge Mines Ltd. and N. Thompson.

OPERATOR: UNITED CAMBRIDGE MINES LTD., 611, 543 Granville Street, Vancouver V6C 1X7.

METALS: Copper, silver, gold.

DESCRIPTION: Porphyry-type chalcopyrite, bornite, malachite, azurite, tenorite (?), and magnetite mineralization occurs in and adjacent to the margins of diorite intruding volcanic rocks. The mineralized zone is highly fractured and strongly weathered and oxidized.

WORK DONE: Linecutting, 43 kilometres; geochemical survey, 214 soil samples analysed for copper, lead, and zinc; induced polarization survey, 26 kilometres; ground magnetometer survey, 43 kilometres; trenches cleaned, covering Star 1 and 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1970, pp. 63-68; 1971, p. 48; 1972, pp. 547-549; Exploration in B.C., 1976, p. E193; 1977, pp. E234, E235; Geological Fieldwork, 1977, Paper 1978–1, pp. 69, 70; Assessment Reports 648, 2061, 8882; Mineral Inventory 104J-5, 35.

PAT, OH (Fig. E-1, NTS 104, No. 72)

LOCATION: Lat. 58° 12′ Long. 131° 37′ (104J/4E)
ATLIN M.D. Seventeen kilometres southeast of Sheslay, between Kennicott Lake and Copper Creek.

CLAIMS: SKI 1 to 4 (20 units each), SKI 5 and 6 (23 units each).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, gold, silver.

DESCRIPTION: Due to surface cover geological information is scarce, however the property appears to be underlain by Triassic volcanic rocks which have been intruded by dioritic-monzonitic bodies. Anomalous geochemical values and minor observed copper mineralization appear to be associated with these intrusions.

WORK DONE: Trenching, 1 262 metres in 12 trenches, covering Ski 1, 2, and 4.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1970, p. 32; Exploration in B.C., 1977, p. E 234; 1978, p. E 265; 1979, pp. 291, 292; Assessment Reports 2554, 3296, 6835, 7482; Mineral Inventory 104J-15, 21.

TULSEQUAH 104K

PAT, NAN (Fig. E-1, NTS 104, No. 75)

LOCATION: Lat. 58° 27′ Long. 133° 22′ (104K/6W)
ATLIN M.D. The centre of the claim group lies 2.8 kilometres north-northeast of Mount Ogden.

CLAIMS: MOLY 1 to 4, TAKU 1 to 6, BORDER 1 to 13 (totalling 214 units).

OWNER: OMNI RESOURCES INC., 900, 475 Howe Street, Vancouver.

METALS: Molybdenum, tungsten, lead, zinc, copper.

DESCRIPTION: The property is underlain by pre-Upper Triassic fine-grained clastic metasedimentary rocks, locally intercalated with volcanic rocks. The metasedimentary and volcanic rocks have been intruded by Late Cretaceous to Tertiary felsic dykes and plutons. The 'Y' pluton contains quartz eyes and feldspar phenocrysts in an aphanitic matrix, in which molybdenum-tungsten mineralization occurs.

WORK DONE: Diamond drilling, 2 NQ and BQ holes, totalling 795.3 metres, on Taku 1, 8.

REFERENCES: Mineral Inventory 104K-13, 47, 57-59; *Minister of Mines, B.C.*, Ann. Rept., 1967, p. 25; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1977, p. E 236; 1978, pp. E 266, E 267; 1979, pp. 292, 293; Assessment Reports 6639, 7175, 9085.

ERIC (Fig. E-1, NTS 104, No. 76)

LOCATION: Lat. 58° 29′ Long. 133° 24′ (104K/6W)
ATLIN M.D. Seven kilometres north-northwest of Mount Ogden.

CLAIM: ERIC 1 (20 units).

OWNER: F. Onucki.

OPERATOR: BERGLYN RESOURCES INC., 1409, 675 West Hastings Street, Vancouver.

METAL: Molybdenum.

DESCRIPTION: Metamorphosed volcanic and sedimentary rocks, including limestone and chert (Permian/Triassic age), are intruded by several phases of hornblende diorite plugs and rhyolite porphyry dykes. The igneous rocks are lightly pyritic.

WORK DONE: Surface geological mapping, 1:10 000; and geochemical survey, 3 soil, 8 silt, and 25 rock samples analysed for molybdenum, silver, and copper.

REFERENCES: Mineral Inventory 104K-59; *Geol. Surv., Canada*, Mem. 362, Map 1262A; Assessment Report 8346A (part 1 of 2).

HI YOGI (Fig. E-1, NTS 104, No. 74)

LOCATION: Lat. 58° 29′ Long. 133° 28′ (104K/6W)
ATLIN M.D. Seven kilometres northwest of Mount Ogden, adjacent to the Alaska border.

CLAIM: HI YOGI (3 units).

OWNER: VALIANT RESOURCES INC., 1460 Howe Street, Vancouver.

DESCRIPTION: Permian/Triassic metasedimentary and metavolcanic rocks are strongly folded and intruded by massive Cretaceous/Tertiary quartz monzonite plutons, several varieties of felsic dykes probably related to the plutons, and later andesitic dykes. Minor molybdenite occurs in quartz within boulders.

WORK DONE: Geological mapping, 1:10 000 and 1:50 000.

REFERENCE: Assessment Report 8433.

LC 2 (Fig. E-1, NTS 104, No. 184)

LOCATION: Lat. 58° 24′ Long. 132° 48′ (104K/7W)
ATLIN M.D. Approximately 51 kilometres southeast of Tulsequah, with Tunjony Lake lying 4.5 kilometres northeast of the claim group.

CLAIMS: JONY 1 (9 units), JONY 2 (18 units), JONY 3 (9 units).

OWNER: MAFEKING MINERALS 1980 PARTNERSHIP, 4435 Vandergrift Crescent NW, Calgary, Alberta T3A 0J1.

METALS: Silver, lead, zinc, copper, cadmium.

DESCRIPTION: Chalcopyrite, galena, sphalerite, cadmium, and pyrite mineralization is associated with quartz in fractures, shear zones, and contact zones between rhyolite dykes and granitic-monzonitic country rocks of Tertiary and Mesozoic age.

WORK DONE: Geological mapping, 1:5000; ground electromagnetic and ground magnetometer survey, 5.5 kilometres; linecutting, 5.5 kilometres; and diamond drilling, 3 BQ holes, totalling 138.6 metres, on Jony 1.

REFERENCES: Mineral Inventory 104K-27; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 37; Assessment Reports 6060, 9578.

LC 1, PETER (Fig. E-1, NTS 104, No. 78)

LOCATION: Lat. 58° 21′ Long. 132° 42′ (104K/7E)
ATLIN M.D. Approximately 9 kilometres southwest of the most southern tip of Trapper Lake.

CLAIM: FOOL (20 units).

OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by diorites and quartz diorites that are cut by mafic and felsic dykes. Numerous quartz molybdenite veins cut the diorite. Molybdenite mineralization occurs both as rosettes and fine molybdenite in quartz veins. Pyrite, chalcopyrite, magnetite, and chlorite are associated with the molybdenite mineralization.

WORK DONE: 1979 – geological mapping, 1:5000; 1980 – geological mapping, 1:5000; and linecutting, 17.6 kilometres.

REFERENCES: Mineral Inventory 104K-26; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 37; Assessment Reports 2059, 8030, 9410.

TAT (Fig. E-1, NTS 104, No. 80)

LOCATION: Lat. 58° 20′ Long. 132° 25′ (104K/8W)
ATLIN M.D. On the southwest bank of Tatsamenie Lake.

CLAIMS: TAT 1 (18 units), TAT 2 to 5 (20 units each).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METALS: Copper, gold, silver, antimony.

DESCRIPTION: Pre-Triassic clastic and carbonate sedimentary rocks are heavily carbonatized and pyritized.

WORK DONE: Geochemical survey, silt and rock chip samples analysed for gold, silver, copper, zinc, and antimony, on all claims.

REFERENCES: Mineral Inventory 104K-37, 41; *Geol. Surv., Canada*, Map 1960-6.

VAL (Fig. E-1, NTS 104, No. 79)

LOCATION: Lat. 58° 27′ Long. 132° 17′ (104K/8W)
ATLIN M.D. Five kilometres northeast of the north end of Tatsamenie Lake, 6 kilometres east of Tatsatua Lake.

CLAIMS: VAL 1 and 3 (20 units each).

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

METALS: Copper, molybdenum, silver, gold.

DESCRIPTION: The claims are underlain by quartz monzonite of a Cretaceous or Early Tertiary phase of the Coast Crystalline Complex. Quartz-eye porphyry and monzonite porphyry dykes cut the molybdenum area and latite, andesite, and aplite dykes cut the copper area. Alteration, mineralization, and quartz veining are controlled by 125-degree to 130-degree structures but restricted areas of stockwork veining and disseminated mineralization have been observed.

WORK DONE: Geological mapping, 1:2500; and geochemical survey, 83 soil samples and 1 silt sample analysed for copper, molybdenum, and silver and 36 rock samples analysed for copper, molybdenum, silver, and gold, on both claims.

REFERENCES: Mineral Inventory 104K-40; Assessment Report 8962.

SUT (Fig. E-1, NTS 104, No. 91)

LOCATION: Lat. 58° 37′ Long. 132° 53′ (104K/10W) ATLIN M.D. Two kilometres west of the west bank of Sutlahine River, 11 kilometres south of King Salmon Lake.

CLAIMS: SUT 1 and 2 (20 units each).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METALS: (Copper, zinc, gold, silver).

DESCRIPTION: Tertiary stock intrudes Stuhini volcanic rocks and has produced an extensive pyritic alteration halo. Stream geochemistry is high in copper, zinc, and silver.

WORK DONE: Geochemical survey, on both claims.

JOLY, JAK (Fig. E-1, NTS 104, No. 95)

LOCATION: Lat. 58° 42.5′ Long. 133° 13′ (104K/11E) ATLIN M.D. One hundred kilometres south-southeast of Atlin, on the southeast flank of Lester Jones Mountain.

CLAIMS: JOLY (9 units), JAK (6 units).

OWNER: R. B. Stokes.

OPERATOR: ANGLO CANADIAN MINING CO. LTD., 713, 744 West Hastings Street, Vancouver V6C 1A5.

METALS: (Silver, gold, lead, zinc).

DESCRIPTION: The property is underlain by Upper Triassic King Salmon Formation thinly laminated mudstones and siltstones; massive units in upper part may be recrystallized greywackes or felsic volcanic rocks. Locally there are patches of pyrite and sphalerite. Dykes of porphyritic dacite and a diorite-monzonite stock intrude the King Salmon Formation. Pyrite, arsenopyrite, and sphalerite with galena, stibnite, pyrrhotite, and chalcopyrite occur in veins.

WORK DONE: Geological mapping, 1:250; and geochemical survey, 50 soil samples, on both claims.

REFERENCE: Assessment Report 9048.

ZOHINI (JH) (Fig. E-1, NTS 104, No. 84)

LOCATION: Lat. 58° 42′ Long. 133° 17′ (104K/11) ATLIN M.D. The Zoh claim is 15 kilometres northeast of Tulsequah, 1 kilometre west of Mount Lester Jones; the Go claims are 3 kilometres east-northeast of the Zoh Claim.

CLAIMS: GO 1 (20 units), GO 2 (18 units), GO 3 (20 units), and ZOH (20 units).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METALS: Gold, silver, copper, lead, zinc, antimony.

DESCRIPTION: Tertiary feldspar porphyry stock intrudes Stuhini volcanic and King Salmon clastic rocks. Vein filling in shear zone cutting the stock varies between 0.5 metre and 2 metres wide, and contains abundant arsenopyrite with associated pyrite, chalcopyrite, sphalerite, galena, and stibnite.

WORK DONE: Geological mapping, covering Go 1-3; prospecting, including mapping and sampling, on Zoh.

REFERENCES: Mineral Inventory 104K-52; *Geol. Surv., Canada*, Map 931A; *Minister of Mines, B.C.*, Ann. Rept., 1964, p. 9; 1965, p. 9.

MIKE, RED CAP, KING SALMON MOUNTAIN (Fig. E-1, NTS 104, No. 99)

LOCATION: Lat. 58° 45' Long. 133° 15' (104K/11, 14)
ATLIN M.D. Twenty kilometres northeast of Tulsequah, covering an area between King Salmon Mountain, Mount Lester Jones, and Taku River.

CLAIMS: GOAT 1, DA 1, CAP 1, 5, 7 to 15 (totalling 237 units).

OWNER: OMNI RESOURCES INC., 900, 475 Howe Street, Vancouver V6C 2B3.

METALS: Copper, molybdenum, lead, zinc, graphite.

DESCRIPTION: Drill geology consists mainly of rhyolitic pyroclastic breccia and tuffs interbedded with argillite cut by dacite porphyry dykes. Massive sulphides encountered included mainly arsenopyrite with sphalerite, pyrite, and minor galena ? or stibnite ?

WORK DONE: Geological mapping, 1:2500, on Goat 1 and Cap 4; diamond drilling, 4 NQ holes, totalling 846.2 metres, on Cap 4 and 11; and geochemical survey, 1 500 soil samples analysed for copper, molybdenum, and silver on Goat 1, Cap 1-4, 7-10 and 270 rock samples analysed for silver and gold and some for copper, molybdenum, lead, and zinc, on all claims.

REFERENCES: Mineral Inventory 104K-10, 53, 60; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1972, p. 554; Assessment Reports 3670, 8959, 9246.

SPRING, RETO (Fig. E-1, NTS 104, No. 91)

LOCATION: Lat. 58° 24' Long. 133° 28' (104K/11W)
ATLIN M.D. Ten kilometres south-southeast of Tulsequah, 2 kilometres west of Sittakanay Mountain, on the north bank of the Sittakanay River.

CLAIMS: SPRING 1 and 2, RETO 1 and 2 (57 units).

OWNER. ISLAND MINING & EXPLORATION CO. LTD., 900, 475 Howe Street, Vancouver V6C 2B3.

METALS: (Silver, zinc, copper).

DESCRIPTION: The claims are underlain by a sequence of intermediate to acid volcanic rocks believed to be of the Triassic Stuhini Formation. Mineralization occurs mostly in crosscutting fractures, as veins and as lenses and is extensive but not strong.

WORK DONE: Geochemical survey, 43 soil samples analysed for copper, molybdenum, silver, and gold and 50 rock samples analysed for copper, zinc, silver, and tungsten, on Reto 1 and 2 and Spring 2.

REFERENCE: Assessment Report 9106.

SUE (Fig. E-1, NTS 104, No. 77)

LOCATION: Lat. 58° 31′ Long. 133° 18′ (104K/11W)
ATLIN M.D. Eleven kilometres northeast of Mount Ogden.

CLAIMS: SUE 1 and 2, STUHINI 1 to 3 (20 units each).

OWNER: F. Onucki.

OPERATOR: BERGLYNN RESOURCES INC., 1409, 675 West Hastings Street, Vancouver.

METALS: Molybdenum, zinc.

DESCRIPTION: Metamorphosed volcanic and sedimentary rocks (Permian/Triassic age) are intruded by hornblende diorite plugs and rhyolite porphyry dykes. The igneous rocks are lightly pyritic.

WORK DONE: Geological mapping and geochemical survey, 8 silt, 41 rock, and 19 soil samples analysed for copper, molybdenum, and silver, covering Sue 1 and 2 and Stuhini 1, 3.

REFERENCES: Mineral Inventory 104K-50, 51; *Geol. Surv., Canada*, Mem. 362, Map 1262A; Assessment Report 8436B (part 2 of 2), 9107.

ANTY, BAKER (Fig. E-1, NTS 104, No. 82)

LOCATION: Lat. 58° 35′ Long. 133° 20′ (104K/11W)
ATLIN M.D. Approximately 14.5 kilometres south-southeast of the mouth of Zohini Creek and Taku River.

CLAIMS: HINI, STU (20 units each).

OWNERS: COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta T2R 1J4 and REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9.

METAL: Antimony.

DESCRIPTION: The claims are entirely underlain by andesitic volcanic rocks of the Upper Triassic Stuhini Group. The claims cover pyritic gossans within the Stuhini volcanic rocks. Stibnite associated with a northwest-striking fault is reported.

WORK DONE: Geological mapping, 1:1000, on Hini.

REFERENCES: Mineral Inventory 104K-23, 48; *Minister of Mines, B.C.*, Ann. Repts., 1965, p. 9; 1967, p. 25; Assessment Reports 1165, 8932.

SQUAT (Fig. E-1, NTS 104, No. 83)

LOCATION: Lat. 58° 36′ Long. 133° 28′ (104K/11W)
ATLIN M.D. Five kilometres southeast of Tulsequah along Stuhini Creek.

CLAIMS: SQUAT 1 (4 units), SQUAT 2 (8 units).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METALS: Copper, lead, zinc.

DESCRIPTION: Pyrite, chalcopyrite, sphalerite, and galena occur in a brecciated zone in pre-Triassic schists. The deposit appears to be bedded.

WORK DONE: Prospecting and geochemical survey, stream sediment samples, covering both claims.

MAIDAS, MOHAWK, COFFMAN (Fig. E-1, NTS 104, No. 85)

LOCATION: Lat. 58° 39′ Long. 133° 26′ (104K/11W)
ATLIN M.D. Five kilometres east-northeast of Tulsequah, covering Mount Ericksen and Ericksen Creek.

CLAIMS: TAKU 3 to 6 (20 units each), TAKU 7 (12 units), TAKU 8, 9 (14 units each), TAKU 10 (4 units).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METALS: Gold, silver, lead, zinc.

DESCRIPTION: Felsic tuffs within rhyolitic horizons in basaltic Stuhini volcanic rocks are in contact with limestone and a Cretaceous feldspar porphyry dyke. A vein zone approximately 6.7 metres wide strikes northwesterly and dips vertically. A 2.4-metre width of the vein is locally well mineralized with gold (0.075 ounce/ton), silver (16 ounces/ton), lead (8.0 per cent), and zinc (26 per cent).

WORK DONE: Prospecting and geochemical surveys.

REFERENCES: Mineral Inventory 104K-20, 21, 62; *Minister of Mines, B.C.*, Ann. Repts., 1929, p. 119; 1939, p. A 35; *Geol. Surv., Canada*, Mem. 362, Map 1262A.

ERICKSEN ASHBY (APEX–BADGER) (Fig. E-1, NTS 104, No. 86)

LOCATION: Lat. 58° 40′ Long. 133° 28′ (104K/11W)
ATLIN M.D. Five kilometres northeast of Tulsequah, on the west side of Ericksen Creek.

CLAIMS: EA 1 (4 units), EA 2 (8 units).

OWNER: G. Rayner.

OPERATOR: ANGLO–CANADIAN MINING CORP., 713, 744 West Hastings Street, Vancouver V6C 1A5.

METALS: Silver, lead, zinc, copper, manganese.

DESCRIPTION: Lenticular massive sulphide bodies related to metarhyolites and skarns and breccias related to exhalite chert occur in a limestone-andesite sequence, extending intermittently over a horizontal distance of 1 500 metres. Some of the bodies are up to 12 metres in width.

WORK DONE: Setting up camp and trails.

REFERENCES: Mineral Inventory 104K-9; *Minister of Mines, B.C.*, Ann. Repts., 1949, p. C 119; 1931, p. 63; 1948, p. 65; 1951, p. 74; 1952, p. 76; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 293 (E-A); Assessment Reports 543, 7707.

YELLOW BLUFF (Fig. E-1, NTS 104, No. 87)

LOCATION: Lat. 58° 42.5′ Long. 133° 28′ (104K/11W)
ATLIN M.D. Forty-five kilometres northeast of Tulsequah, on the northwest side of Taku River, south of Yellow Bluff.

CLAIM: MUD 1 (20 units).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METAL: Lead.

DESCRIPTION: Pyritic massive sulphide lenses with variable copper, lead, zinc, gold, and silver contents are associated with acidic phases of marine Stuhini volcanic rocks.

WORK DONE: Prospecting and geochemical survey.

REFERENCES: Mineral Inventory 104K-49; *Geol. Surv., Canada*, Mem. 248, p. 55; Map 931A; *CIM*, Juvilee Vol., 1948, p. 112; *Minister of Mines, B.C.*, Ann. Rept., 1956, p. 12.

SURVEYOR, COUNCIL (Fig. E-1, NTS 104, No. 86)

LOCATION: Lat. 58° 36.5′ Long. 133° 33′ (104K/12E)
ATLIN M.D. Approximately 3 kilometres southwest of Tulsequah, on the southeast side of Taku River.

CLAIMS: TAKU 1 and 2 (20 units each).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METAL: Antimony.

DESCRIPTION: A well-defined shear zone about 3.4 metres wide dips 50-60 degrees southwest. The zone is mineralized with streaky bunches and veinlets of massive and disseminated stibnite, fine pyrite, and gangue of quartz and calcite. The country rock is an altered arkosic argillite.

WORK DONE: Prospecting and geochemical survey, covering both claims.

REFERENCES: Mineral Inventory 104K-16, 17; *Geol. Surv., Canada*, Mem. 248, p. 69; Map 1262A, 931A; *Minister of Mines, B.C.*, Ann. Rept., 1930, p. 121.

SILVER QUEEN, SILVER BIRD (Fig. E-1, NTS 104, No. 89)

LOCATION: Lat. 58° 41′ Long. 133° 39′ (104K/12E)
ATLIN M.D. Nine kilometres northwest of Tulsequah, on Wilms Creek.

CLAIM: TU (20 units).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METALS: Gold, antimony.

DESCRIPTION: Paleozoic volcanic and sedimentary rocks are sheared and altered with massive and disseminated pyrite, stibnite, and arsenopyrite. Brecciated zones contain variable gold and silver values.

WORK DONE: Geochemical survey, 15 silt samples analysed for copper, molybdenum, lead, zinc, gold, silver, arsenic, and antimony.

REFERENCES: Mineral Inventory 104K-4, 5; *Geol. Surv., Canada*, Mem. 248; *Minister of Mines, B.C.*, Ann. Repts., 1915, p. 64; 1916, p. 46; 1931, p. 62; 1933, p. 73; 1947, p. 68.

WY (Fig. E-1, NTS 104, No. 94)

LOCATION: Lat. 58° 43′ Long. 133° 38′ (104K/12E)
ATLIN M.D. Eleven kilometres northwest of Tulsequah, 2 kilometres southeast of Whitewater Mountain.

CLAIM: WY (6 units).

OWNER: ANGLO CANADIAN MINING CORP., 713, 744 West Hastings Street, Vancouver V6C 1A5.

METALS: (Gold, antimony).

DESCRIPTION: The claim is underlain mostly by Tulsequah gneiss to coarse-grained quartz-feldspar-chlorite-actinolite schist, quartz-muscovite schist, quartz-muscovite-graphite schist, amphibolite and biotite, and quartz-feldspar-chlorite gneiss. A north-trending strand of the Tulsequah fault traverses the claims.

WORK DONE: Geological mapping, 1:50 000; and geochemical survey, 10 rock samples analysed for copper, lead, zinc, silver, and gold and 1 soil sample analysed for copper, lead, zinc, and silver.

REFERENCE: Assessment Report 9068.

TULSEQUAH CHIEF (Fig. E-1, NTS 104, No. 88)

LOCATION: Lat. 58° 44′ Long. 133° 35′ (104K/12W)
ATLIN M.D. Fifty-five kilometres north of Tulsequah, on the east side of Tulsequah River.

CLAIMS: SEQ 1 and 2 (20 units each).

OWNERS: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond V6X 2W9 and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METALS: Gold, silver, copper, lead, zinc.

DESCRIPTION: The claims are underlain entirely by steeply dipping volcanic rocks of the Upper Triassic Stuhini Group which locally consist of andesite flow rocks and fragmental rocks. The Tulsequah Chief mine is within the boundaries.

WORK DONE: Ground electromagnetic survey; and geochemical survey, 18 silt samples analysed for copper, lead, zinc, molybdenum, silver, gold, antimony, and arsenic, on both claims.

REFERENCES: Mineral Inventory 104K-2; *Minister of Mines, B.C.*, Ann. Rept., 1957, p. 5; Assessment Report 8933.

CANYON, BEAR (Fig. E-1, NTS 104, No. 92)

LOCATION: Lat. 58° 47′ Long. 133° 32′ (104K/13E)
ATLIN M.D. Fifteen kilometres north of Tulsequah, 4 kilometres north of Mount Eaton.

CLAIM: UAH (20 units).

OWNER: REDFERN RESOURCES LTD., 166, 10551 Shellbridge Way, Richmond and COMAPLEX RESOURCES INTERNATIONAL LTD., 901, 1015 Fourth Street SW, Calgary, Alberta.

METAL: Gold.

DESCRIPTION: Triassic granodiorite intrudes Paleozoic clastic sedimentary and volcanic rocks. The alteration halo contains quartz veins with reported gold.

WORK DONE: Prospecting.

REFERENCES: Mineral Inventory 104K-55; *Minister of Mines, B.C.*, Ann. Rept., 1931, p. 62.

ONO, OYA (Fig. E-1, NTS 104, No. 93)

LOCATION: Lat. 58° 47′ Long. 133° 37′ (104K/13E)
ATLIN M.D. Seventy kilometres south of Atlin, on the western flank of Mount Stapler and extending down into Shazah Creek valley, east of Tulsequah River.

(104M/1E)

CLAIMS: ONO, OYA (15 units each).
OWNER: R. B. Stokes.
OPERATOR: ANGLO CANADIAN MINING CORP., 713, 744 West Hastings Street, Vancouver V6C 1A5.
METALS: (Gold, zinc, lead, copper).
DESCRIPTION: The property is underlain by volcano-sedimentary rocks of the Permian/Triassic Mount Eaton Formation. Prevalent bedding-parallel schistosity suggests isoclinal folding. Schists are fine grained and in the greenschist facies. The property contains three zones with significant sulphides: sphalerite-galena-pyrite-arsenopyrite; pyrite-sphalerite-galena; and pyrrhotite-chalcopyrite.
WORK DONE: Geological mapping, 1:5500.
REFERENCE: Assessment Report 9007.

SKAGWAY 104M

LAVERDIERE, BUTTE (Fig. E-1, NTS 104, No. 174)

LOCATION: Lat. 59° 13' Long. 134° 13' (104M/1E)
ATLIN M.D. Approximately 72.5 kilometres southeast of Skagway with Willison Bay lying 4 kilometres north of property and Hoboe Creek cutting through centre of property.
CLAIM: SPROG (15 units) (reduced to 10 units on April 15, 1980).
OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver.
METALS: Copper, molybdenum, iron, silver, lead.
DESCRIPTION: The property is underlain by Lower Paleozoic quartzite, gneiss, and crystalline limestone which has been intruded by an equigranular medium-grained biotite granodiorite or quartz diorite. Chalcopyrite and bornite are disseminated irregularly in various skarns and chalcopyrite with minor scheelite occurs in fractures in moderately altered granodiorite.
WORK DONE: Core from diamond-drill hole H-1, previously drilled, rechecked for tungsten content; occurrences of copper and molybdenum in core checked.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 350; Assessment Reports 563, 4995, 5296, 9162; Mineral Inventory 104M-22.

BEN–MY–CHREE (Fig. E-1, NTS 104, No. 175)

LOCATION: Lat. 59° 26' Long. 134° 28' (104M/8W)
ATLIN M.D. The claims are situated approximately 2.5 kilometres north from the mouth of Swanson River and Tagish Lake.
CLAIM: STEEP (20 units).
OWNER: KARL GRUBER, Box 5090, Whitehorse, Yukon Territory Y1A 4S3.
METALS: Silver, gold.
DESCRIPTION: The property is underlain by members of the Mount Stevens Group (mainly amphibolites) which are schistose, sheared, folded, and highly metamorphosed. Silver-bearing veins were opened by workings circa 1900.
WORK DONE: Prospecting, reconnaissance to locate previous work sites; sampling of mineral showings, covering Steep.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1911, p. 60; 1912, p. 61; Assessment Report 9133; Mineral Inventory 104M-11.

RUPERT, WHITE MOOSE (Fig. E-1, NTS 104, No. 98)

LOCATION: *Lat. 59° 28'* *Long. 134° 19'* *(104M/8W)*
ATLIN M.D. Approximately 35 kilometres west-southwest of Atlin on the west side of Taku Arm of Tagish Lake; Buchan Creek crosses northern part of the claims.

CLAIMS: FEE 1 (15 units), FEE 2 (20 units), FEE 3 (20 units), FEE 4 (20 units), FEE 5 (20 units), FEE 6 (15 units).

OWNER: UNITED KENO HILL MINES LTD., 409 Black Street, Whitehorse, Yukon Territory.

METALS: Gold, silver, lead.

DESCRIPTION: The property is underlain by greenschist to amphibolite facies of the Coast metamorphic rocks. These include pelitic schists, metavolcanic rocks, amphibolitic gneisses, foliated intrusive rocks, and minor marble (age range possibly Precambrian to Middle Paleozoic). These are cut by rhyolite, rhyodacite, and basalt dykes and several mineralized quartz veins.

WORK DONE: Geological mapping, 1:5000; linecutting, 13.6 kilometres; geochemical survey, 5 403 soil samples analysed for arsenic, copper, and gold, 171 silt samples analysed for arsenic, copper, and gold, and 35 rock samples analysed for gold, silver, and lead, of these 21 were also analysed for zinc and copper, four for copper, and six for copper and molybdenum, covering all claims.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1933, pp. 81, 82; Assessment Report 8384; Mineral Inventory 104M-8, 9, 10.

HAPPY SULLIVAN, KIRKLAND, GLEANER, SWEEPSTAKE (Fig. E-1, NTS 104, No. 99)

LOCATION: Lat. 59° 30' Long. 134° 15' (104M/9, 8E)
ATLIN M.D. Approximately 6 kilometres north-northwest of the mouth of Wann River and Edgar Lake.

CLAIMS: SPECULATION (Lot 969), CHACKAWAN (Lot 3289), HILL FR. (Lot 1264), DAISY (Lot 970), SMITH FR. (Lot 4658), SWEEPSTAKE NO. 1 (Lot 3283), SWEEPSTAKE NO. 2 (Lot 3284), SWEEPSTAKE NO. 3 (Lot 3285), SWEEPSTAKE NO. 4 (Lot 4672), SWEEPSTAKE NO. 5 FR. (Lot 4673), SWEEPSTAKE NO. 6 FR. (Lot 4674), GOLDEN HOPE (Lot 1263), LAKEVIEW (Lot 241), TAKU CHIEF (Lot 240), RUBBERNECK (Lot 916), BONANZA (Lot 915), NEST EGG (Lot 3292), MYOSOTIS (Lot 239), PHILADELPHIA FR. (Lot 207), MICKEY (Lot 967), BETSAY (Lot 1262), NORTHERN PARTNERSHIP NO. 5 (Lot 972), JERSEY LILLY (Lot 21), CRACKER JACK (Lot 914), EVEN STAR (Lot 208), GOLD BULLION (Lot 3288), GOLD HILL (Lot 3287), IRON MASK (Lot 4676), POLYGON FR. (Lot 4679) plus LUM 1 to 12 (12 units), AURUM 1 (8 units), GOLD 1 (12 units), GOLD 2 (18 units), AU 1 (6 units), AU 2 (2 units), SILGO 1 (18 units), SILGO 2 (14 units), HAPPY 1 (20 units), HAPPY 2 (16 units).

OWNERS: 1979 – R. Carlson, K. Lumsden, and P. Lieberman; 1980 – Windarra Minerals Ltd.

OPERATORS: 1979–NOMAD MINES LTD., TAGISH GOLD MINES LTD., and GLEANER GOLD MINES LTD., 1202, 750 West Pender Street, Vancouver; PHILIP LIEBERMAN, 5070 Ash Street, Vancouver; 1980 – WINDARRA MINERALS LTD., 1458, 409 Granville Street, Vancouver V6C 2J5.

METALS: Gold, silver.

DESCRIPTION: The property is underlain by sedimentary rocks of the Jurassic Laberge Group which are intruded by dykes of andesite, granite, and granite porphyry. A granitic stock is near the southeast corner of the property. Mineralization is related to shear zones.

WORK DONE: 1979 – prospecting, reconnaissance type over some of the old workings; 1980 – geochemical survey, 801 soil samples analysed for silver, lead, and zinc, covering entire property; diamond drilling, three BQ holes totalling 140.97 metres, on Mickey, Taku Chief, and Myosotis.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1918, p. 92; 1925, p. 115; 1933, pp. 74, 81; Assessment Reports 7923, 9049; Mineral Inventory 104M-12, 13, 15, 16, 25.

TUT, SHI (Fig. E-1, NTS 104, No. 97)

LOCATION: Lat. 59° 40′ Long. 135° 06′ (104M/11E)
ATLIN M.D. Thirty kilometres north-northwest of Skagway, Alaska, 2 kilometres west of Bernard Lake.

CLAIMS: TUT (12 units), SHI (16 units), LAKE (12 units), TUNNEL (10 units).

OWNER: Skagway Moly Inc.

OPERATOR: GLEN L. HARRIS, Box 4216, Whitehorse, Yukon Territory.

METALS: (Molybdenum, copper, silver).

DESCRIPTION: The claims are located on a number of major north-south-trending lineaments within the Coast Range series of granitic rocks. Molybdenite occurs along joint planes and within shear zones over a large area.

WORK DONE: 1979 – prospecting, covering all claims.

REFERENCE: Assessment Report 8551.

ATLIN 104N

ZEN (Fig. E-1, NTS 104, No. 101)

LOCATION: Lat. 59° 41′ Long. 132° 57′ (104N/10W)
ATLIN M.D. Forty-five kilometres east-northeast of Atlin, 15 kilometres south-southeast of Marble Dome Mountain.

CLAIM: ZEN 1 (20 units).

OWNER: ST. JOSEPH EXPLORATIONS LTD., 5, 970 Laval Crescent, Kamloops V2C 5P5.

METAL: (Uranium).

DESCRIPTION: Zeunerite and/or metazeunerite occur at a contact between coarse and fine-grained alaskite. The contact is marked by a few narrow quartz veins and by rusty limonite fault zones. Molybdenite, wolframite, fluorite, chalcopyrite, and/or beryl occur in several scattered zones.

WORK DONE: Geochemical survey, 357 soil samples analysed for molybdenum, covering Zen 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1979, p. 298; Assessment Report 8977.

CY (Fig. E-1, NTS 104, NO. 106)

LOCATION: Lat. 59° 40′ Long. 133° 00′ (104N/10W, 11E)
ATLIN M.D. Forty-two kilometres northeast of Atlin, covering Mount Weir.

CLAIMS: CY 1 (6 units), CY 2 (20 units), CY 3 (16 units), CY 4 to 7 (20 units each), CY 8 (16 units), CY 9 (8 units), ENG 1 (9 units), ENG 2 and 3 (20 units each).

OWNER: Noranda Mines Ltd.

OPERATOR: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215–112th Street, Edmonton, Alberta T6G 2C8.

METALS: Lead, zinc, tin, uranium.

DESCRIPTION: Chert, chert breccia, quartzite, and argillite of the Cache Creek Group (Permian age) are intruded by the Surprise Lake batholith (Cretaceous age) which is a lobe of the Coast Range batholith. The Surprise Lake batholith consists of multiphase granite, alaskite, and aplite dykes. Galena, sphalerite, and tin occur in chloritic veins and mineralized boulders.

WORK DONE: Linecutting, 33 kilometres, covering CY 6, Eng 2, 3; geochemical survey, 2 029 soil samples analysed for cadmium, cobalt, copper, lead, molybdenum, nickel, silver, and zinc, covering Eng 1-3, CY 1, 4-8; geological mapping, 1:20 000, covering all claims; ground electromagnetic survey (EM-16R, VLF-EM, Crone shootback, EM-31) totalling 133 kilometres and ground magnetometer survey, 59.5 kilometres, covering Eng 1-3, CY 1-9; diamond drilling, 16 AQ holes totalling 1 926 metres, on Eng 2, CY 6, 8; airborne electromagnetic survey and airborne magnetometer survey, 485 kilometres each, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploraton in B.C., 1977, p. E 239; 1978, p. E 269; 1979, pp. 298, 299; Assessment Reports 6898, 7412, 7556, 8413, 8638; Mineral Inventory 104N-87.

WHI (Fig. E-1, NTS 104, No. 111)

LOCATION: Lat. 59° 47′ Long. 132° 55′ (104N/10W, 15W, 14E)
ATLIN M.D. Forty-seven kilometres northeast of Atlin, extending from Chehalis Creek southeastward to Zenazie Creek.

CLAIMS: KRANS 1 to 16 (totalling 250 units).

OWNER: CAMPBELL RESOURCES INC. (CCH RESOURCES LTD.), A105, 355 Burrard Street, Vancouver V6C 2G6.

METALS: Tin, tungsten.

DESCRIPTION: A number of alteration zones occur within granitic rocks of the Surprise Lake batholith. Minor amounts of cassiterite occur in quartz veins in several alteration zones, locally with arsenopyrite, sphalerite, or chalcopyrite. Wallrock alteration is normally chlorite, magnetite, and occasionally with lesser pyrite, tourmaline, or garnet. Typical greisen-type alteration is also present.

WORK DONE: 1979 and 1980 – geochemical survey, 869 soil and silt samples collected, 716 analysed for tin, tungsten, and copper, 604 analysed for lead and zinc, 236 analysed for lithium and fluorine, and 154 analysed for tin, copper, and arsenic and 29 rock samples analysed for tin, tungsten, copper, and arsenic, covering most claims; aerial photography, 35 kilometres, 1:20 000, covering all claims; geological mapping, 1:100, 1:1000, 1:10 000, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 299, 300; Assessment Reports 7345, 8171, 9342; Mineral Inventory 104N-65.

DIXIE (Fig. E-1, NTS 104, No. 102)

LOCATION: Lat. 59° 37′ Long. 133° 08′ (104N/11E)
ATLIN M.D. Thirty-three kilometres east-northeast of Atlin, partly covering a mountain ridge drained by Quartz and Moose Creeks.

CLAIMS: DIXIE 1 (16 units), DIXIE 2 (20 units).

OWNER: ST. JOSEPH EXPLORATIONS LTD., 5, 970 Laval Crescent, Kamloops V2C 5P5.

DESCRIPTION: The claims are underlain by alaskite, porphyritic alaskite, aplite, quartz feldspar porphyry dykes, felsic dykes, and mafic dykes.

WORK DONE: Geochemical survey, 36 silt samples analysed for lead, zinc, copper, and molybdenum, covering Dixie 1.

GAYLE (Fig. E-1, NTS 104, No. 105)

LOCATION: Lat. 59° 41′ Long. 133° 10′ (104N/11E)
ATLIN M.D. Thirty-eight kilometres east-northeast of Atlin, on the east side of Surprise Lake, straddling most of Moose Creek.

CLAIMS: GAYLE 1 (20 units), GAYLE 2 (20 units), GAYLE 3 (8 units), GAYLE 4 (20 units).

OWNER: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215–112th Street, Edmonton, Alberta.

DESCRIPTION: The property is underlain by rocks of Cretaceous Surprise Lake batholith of various phases of alaskite-biotite granite and aplite. A total of nine intrusive phases have been recognized, five granitic phases and four aplitic phases.

WORK DONE: Surface geological mapping, 1:33 333; geochemical survey, 27 rock samples and 18 silt samples analysed for silver, copper, lead, zinc, molybdenum, tin, tungsten, uranium, and fluorine and 17 water samples analysed for copper, lead, zinc, and uranium, covering all claims.

REFERENCE: Assessment Report 8418.

MAC (Fig. E-1, NTS 104, No. 104)

LOCATION: Lat. 59° 43′ Long. 133° 03′ (104N/11E)
ATLIN M.D. Thirty-seven kilometres east-northeast of Atlin, 3 kilometres north of Mount McLay.

CLAIMS: MAC 1 to 4 (20 units each).

OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver.

WORK DONE: Geochemical survey, 300 soil samples analysed for molybdenum, copper, zinc, tungsten, fluorine, and tin, covering Mac 2-4.

REFERENCE: Assessment Report 8378.

BY (Fig. E-1, NTS 104, No. 103)

LOCATION: Lat. 59° 44′ Long. 133° 07′ (104N/11E)
ATLIN M.D. Thirty-eight kilometres northeast of Atlin, covering Granite (Horse) Creek.

CLAIMS: BY 1 and 2 (18 units each).

OWNER: ST. JOSEPH EXPLORATION LTD., 5, 970 Laval Crescent, Kamloops V2C 5P5.

DESCRIPTION: The claims are underlain by alaskite, porphyritic alaskite, aplite, quartz feldspar porphyry dykes, felsic dykes, and mafic dykes.

WORK DONE: Geochemical survey, 155 soil samples analysed for lead and zinc, covering BY 1.

M (Fig. E-1, NTS 104, No. 176)

LOCATION: Lat. 59° 36′ Long. 133° 30′ (104N/11W, 12E)
ATLIN M.D. The claims follow Pine Creek from Atlin Lake at the west to Surprise Lake at the east.

CLAIMS: M 1 to 32, 35 to 82, 100, 101 Fraction, 102, 103, 104 Fraction, 105 to 112, 113 to 118 Fractions, 119, 120.

OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver V6E 3A8.

WORK DONE: Surface diamond drilling, five NQ holes, three in overburden and two in bedrock, totalling 83.7 metres, on M 1, 6, 51, 56, 81; seismic survey (hammer refraction), covering the southwestern portion of the claim group.

REFERENCE: Assessment Report 8796.

TUNGSTEN, SILVER DIAMOND (Fig. E-1, NTS 104, No. 107)

LOCATION: Lat. 59° 41′ Long. 133° 26′ (104N/11W)
ATLIN M.D. Seventeen kilometres northeast of Atlin, south of Mount Leonard and between Birch Creek and Boulder Creek.

CLAIMS: CINBAR (9 units), CB (18 units), CB 2 (18 units), CB 3 (9 units), HCF 1 (10 units), HCF 2 (18 units), HCF 3 (18 units), HCF 4 (15 units), PAT 1 to 15.

OWNER: YUKON REVENUE MINES LTD., 117 Industrial Road, Whitehorse, Yukon Territory Y1A 2T8.

METALS: Tungsten, molybdenum, tin, copper, lead, zinc, silver, gold, fluorite.

DESCRIPTION: The property is underlain by Cache Creek Group greenstone, small stocks of peridotite, and Cretaceous alaskite intrusive rocks. Scheelite and wolframite, with silver and gold values, occur in quartz veins within the alaskite. Scheelite and copper, lead, and zinc sulphides occur in skarn zones.

WORK DONE: Diamond drilling, 21 BQ holes totalling 1 535.7 metres, on Cinbar, CB, Pat; road construction, 6 kilometres, on Pat, HCF 2, 3; trenching, 300 metres plus 95 metres of trenches filled in, covering Pat and Cinbar.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1950, p. 72, 1964, p. 8; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 30; 1972, p. 557; Exploration in B.C., 1979, p. 302; Assessment Reports 1763, 2462, 2672, 2852, 3571, 3732, 4553; Mineral Inventory 104N-6, 9, 18, 53, 54, 56, 69.

ADANAC, ADERA (Fig. E-1, NTS 104, No. 108)

LOCATION: Lat. 59° 43′ Long. 133° 25′ (104N/11W)
ATLIN M.D. Claims cover a large area 9.3 kilometres north of the western tip of Surprise Lake.

CLAIMS: ADERA, RU, PACIFIC, KEY, BOY, ZAP, CM, HOBO, THOR, AT, CLAIR, MATT, BARHAM, JAN, MFG, DAWN, RUTH, etc., totalling 163.

OWNERS: Adanac Mining and Exploration Ltd. and Placer Development Ltd.

OPERATOR: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver V6E 3A8.

METAL: Molybdenum.

DESCRIPTION: Molybdenum mineralization occurs in several phases of quartz monzonite in a composite stock adjacent to the Surprise Lake batholith. Erratic mineralization occurs in a variety of stringers and quartz veins in and adjacent to a dome of mixed sparse and crowded quartz monzonite porphyry. The Adera fault zone truncates the mineral deposit.

WORK DONE: Diamond drilling, 17 NQ holes totalling 4 858.3 metres, on Key 27, Hobo 8, 20, 47, and Adera 1, 3, 4, 5 Fraction, 6, 7, 8.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* GEM, 1974, p. 351; Exploration B.C., 1977, pp. 240, 241; 1979, pp. 303, 304; Assessment Reports 1763, 1764, 1991, 2387, 2576, 2852, 3425, 3571, 4253, 5071, 5351, 7727, 7807, 8861; Mineral Inventory 104N-15, 51, 52, 63, 77.

RUFF, DON, HELEN (Fig. E-1, NTS 104, No. 110)

LOCATION: Lat. 59° 43' Long. 133° 30' (104N/11W, 12E)
ATLIN M.D. Approximately 20 kilometres east-northeast from Atlin, with Vulcan Creek flowing through the property.

CLAIMS: RUFF (15 units), DON 1 (12 units), HELEN 3 (6 units), SILVER 3 (1 unit), SILVER 4 (1 unit).

OWNER: CYCLONE DEVELOPMENTS LTD., 107, 325 Howe Street, Vancouver.

WORK DONE: 1979 – linecutting, 25.9 kilometres; geochemical survey, 413 soil samples analysed for lead, zinc, silver, and molybdenum, covering Don, Helen, and Ruff.

REFERENCES: Assessment Reports 2203, 8718.

GOLDEN VIEW, HELI, COPTER (Fig. E-1, NTS 104, No. 109)

LOCATION: Lat. 59° 32' Long. 133° 34' (104N/12E)
ATLIN M.D. Approximately 9 kilometres southeast of Atlin, covering Monarch and Union Mountains.

CLAIMS: VICTORIA (Lot 912), ALEXANDRA (Lot 909), LP 1 (16 units), LP 2 (16 units), LP 3 (16 units), LP 4 (12 units), LS 1 (16 units), LS 2 (18 units), LS 3 (16 units).

OWNERS: M. Sherman and M. Cloutier.

OPERATOR: RIO ALTO EXPLORATION LTD., 710, 610 Eighth Avenue SW, Calgary, Alberta T2P 1G5.

METALS: Gold, copper, asbestos.

DESCRIPTION: Mafic volcanic rocks, carbonate rocks, chert, and chert pebble conglomerate of the Cache Creek Group (Pennsylvanian age) are intruded by peridotites, serpentinites, and diorite of the Atlin intrusions (Permian age). The contacts are serpentinized, carbonatized, and sheared. Two dominant sets of quartz veins strike 304 degrees and 108 degrees. Small flecks of visible gold and minor molybdenite occur within the quartz veins.

WORK DONE: Prospecting; trenching and stripping; linecutting, 12 kilometres; geochemical survey, 325 soil samples and 42 rock samples analysed for gold, silver, copper, and molybdenum; geological mapping, 1:20 000, 1:3048, 1:250, and 1:500, covering LP and LS claims.

REFERENCES: *Minister of Mines, B.C.,* Ann. Rept., 1900, p. 758, 777; 1901, p. 984; 1902, p. 38; 1950, p. 71; 1951, p. 208; 1960, p. 126; Assessment Report 53, 9055; Mineral Inventory 104N-19, 42, 50.

LY (Fig. E-1, NTS 104, No. 112)

LOCATION: Lat. 59° 46' Long. 132° 52' (104N/15W)
ATLIN M.D. Fifty-two kilometres east-northeast of Atlin, north of Zenazie Creek, 7 kilometres southeast of Marble Dome.

CLAIM: LY 1 (20 units).

OWNER: Noranda Mines Ltd.

OPERATOR: MATTAGAMI LAKE EXPLORATION LTD., 502, 8215 – 112th Street, Edmonton, Alberta T6G 2C8.

DESCRIPTION: The claims lie on the northern margin of the Cretaceous Surprise Lake batholith where it is in contact with Pennsylvanian/Permian Cache Creek Group. Three phases of plutonic rocks were recognized; the Cache Creek Group is divided into grey, argillaceous quartzite and siltstone, and red, pyritiferous quartzite.

WORK DONE: Surface geological mapping, 1:5000; geochemical survey, 17 rock samples analysed for molybdenum, copper, lead, zinc, silver; 17 rock samples analysed for tin and fluorine, 12 rock samples analysed for tungsten, 3 silt samples analysed for copper, lead, zinc, silver, and molybdenum, 34 silt samples analysed for tin, and 20 silt samples analysed for tungsten, covering LY 1.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.,* Exploration in B.C., 1978, p. E 272; 1979, p. 306; Assessment Reports 7369, 8359.

JENNINGS RIVER 104O

C, D, E, F, (Fig. E-1, NTS 104, No. 115)

LOCATION: Lat. 59° 17' Long. 131° 36' (104O/5E)
ATLIN M.D. Three kilometres west of the north portion of Kedahda Lake.

CLAIMS: C, D, E, F (30 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

DESCRIPTION: The claims are underlain by the Christmas Creek granodiorite of Jurassic-Cretaceous age.

WORK DONE: Geochemical survey, 63 soil samples analysed for tin, tungsten, and molybdenum, on D and E.

REFERENCE: Assessment Report 8195.

AUGUST, ZIP (Fig. E-1, NTS 104, No. 114)

LOCATION: Lat. 59° 21' Long. 131° 35' (104O/5E)
ATLIN M.D. South of Jennings River, 7 kilometres northwest of the north end of Kedahda Lake.

CLAIMS: AUGUST (12 units), BEN (8 units), CD (4 units), ZIP 1 (20 units), ZIP 2 to 6, 8 (59 units).

OWNERS: B. Kennedy and G. Diakow.

OPERATOR: FALCONBRIDGE NICKEL MINES LTD., 6415 – 64th Street, Delta V4K 4E2.

METALS: Lead, zinc, silver.

DESCRIPTION: Hornfelsed chert, argillite, and wackes of the Kedahda Formation (Carboniferous to Permian age) are intruded by the Christmas Creek batholith. Pyrite, arsenopyrite, and boulangerite mineralization occurs in quartz veins.

WORK DONE: Geological mapping, 1:2000; linecutting, 89 kilometres; ground magnetometer survey and ground electromagnetic survey, 91.8 kilometres; and geochemical survey, 2 865 soil samples analysed for copper, lead, zinc, silver, and arsenic, on all claims.

REFERENCES: Mineral Inventory 104O-26; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 242; 1979, pp. 308, 309; Assessment Reports 6957, 7685, 8174, 8382, 8441.

ASH MOUNTAIN (Fig. E-1, NTS 104, No. 116)

LOCATION: Lat. 59° 19′ Long. 130° 31′ (104O/7E)
ATLIN M.D. Twenty-two kilometres north of Tuya Lake and 5 kilometres north of Ash Mountain.

CLAIMS: AP (20 units), G (8 units), A (12 units).

OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.

METALS: Tungsten, tin, lead, zinc.

DESCRIPTION: The property is underlain by the contact zone between tuffaceous argillites, cherts, and sandy limestone of the Sylvester Group (Devonian/Mississippian), and granitic intrusive rocks of the Parallel Creek batholith. Minor pyrite, pyrrhotite, sphalerite, and galena occur as discontinuous pods and thin sheets in tuffaceous layers.

WORK DONE: 1979 – geological mapping, 1:10 000; and geochemical survey, 135 soil samples analysed for tin and tungsten, on all claims.

REFERENCES: Mineral Inventory 104O-22, 23; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, p. E 274; Assessment Reports 7378, 8196.

BULL (Fig. E-1, NTS 104, No. 117)

LOCATION: Lat. 59° 30′ Long. 130° 26′ (104O/8W, 9W)
ATLIN and LIARD M.D. Forty kilometres northwest of Cassiar, 18 kilometres southeast of Jennings Lakes.

CLAIMS: BULL 1 to 8 (20 units each).

OWNER: NORCEN ENERGY RESOURCES LTD., 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: Granodiorite-diorite of the Cassiar batholith and sedimentary rocks of the Oblique Creek Formation are separated by a thrust fault. A fumarolic vent (Tertiary ?) occurs on the property. Pyrite, pyrrhotite, and quartz veins occur in the sedimentary rocks.

WORK DONE: Geological mapping, 1:15 840; and geochemical survey, 285 soil and 16 silt samples analysed for copper, zinc, molybdenum, and silver, on all claims.

REFERENCE: Assessment Report 8365.

SHAR 3, 4, 9, and 11 (Fig. E-1, NTS 104, No. 118)

LOCATION: Lat. 59° 41′ Long. 130° 09′ (104O/9E)
LIARD M.D. Twenty-eight kilometres east of Jennings Lakes, covering a ridge north of Toozaza Creek.

CLAIMS: SHAR 3, 4, 9 (18 units each), SHAR 11 (4 units).

OWNERS: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METALS: (Lead, zinc, silver).

DESCRIPTION: Shar 3, 4, and 11 and southwestern Shar 9 are underlain by Middle Cretaceous biotite quartz monzonite and granodiorite of the Cassiar batholith. The northeast portion of Shar 9 is underlain by Silurian-Devonian sedimentary rocks of the Devonian-Mississippian Sylvester Group; the sedimentary rocks were not mapped.

WORK DONE: Geological mapping, 1:5000, covering Shar 3, 9, and 11; geochemical surveys, 79 silt samples analysed for lead, zinc, and silver, on Shar 3, 9; 94 soil samples analysed for lead, zinc, and silver, on Shar 4, 9; and 13 rock samples analysed for lead, zinc, silver, and gold, on Shar 3, 9, 11.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 310; Assessment Reports 8090, 9376.

BLUE LIGHT (Fig. E-1, NTS 104, No. 119)

LOCATION: Lat. 59° 39′ Long. 130° 27′ (104O/9W)
LIARD M.D. Thirteen kilometres due east of the centre of Jennings Lakes, straddling a northwesterly flowing tributary of Little Rancheria River.

CLAIM: BLULITE (4 units).

OWNER: PACIFIC CYPRESS MINERALS LTD., 708, 900 West Hastings Street, Vancouver V6C 1E5.

METALS: Tungsten, beryllium, fluorite.

DESCRIPTION: The claims are underlain by granitic complex rocks (Jurassic-Cretaceous) and gneiss and pelitic hornfels roof pendant rocks, including several skarn zones. Scheelite, with pyrite, pyrrhotite, minor chalcopyrite, fluorite, and molybdenite, occurs as irregularly distributed, fine disseminations and also as coarse subhedral crystals up to 7 centimetres in thickness in a skarn zone. Beryllium and minor fluorite occur in coarse-grained pegmatites.

WORK DONE: 1979 – diamond drilling, 2 BQ holes, totalling 79.86 metres, on Blulite.

REFERENCES: Mineral Inventory 104O-5; *Minister of Mines, B.C.*, Ann. Rept., 1968, pp. 33, 34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 242; Assessment Report 7937.

SHAR 5 and 6 (Fig. E-1, NTS 104, No. 121)

LOCATION: Lat. 59° 39′ Long. 131° 08′ (104O/11E)
ATLIN M.D. Twelve kilometres north of the west end of Klinkit Lake.

CLAIMS: SHAR 5 and 6 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METAL: Tungsten.

DESCRIPTION: Scheelite occurs in pyrrhotite-bearing interbedded hornfels, quartzite, and crystalline limestone along the southwest contact of Nome Lake batholith.

WORK DONE: Geological mapping, 1:5000; and geochemical surveys, 169 soil samples and 38 rock samples analysed for copper, molybdenum, zinc, uranium, and tungsten; 1 silt sample analysed for gold, molybdenum, zinc, uranium, and tungsten and 3 for multi-elements, on both claims.

REFERENCES: Mineral Inventory 104O-14; *Geol. Surv., Canada*, Paper 68–55, p. 35; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 311; Assessment Report 8271.

SHAR 7 and 8 (Fig. E-1, NTS 104, No. 120)

LOCATION: Lat. 59° 43.5′ Long. 131° 09.5′ (104O/11E)
ATLIN M.D. Approximately 25 kilometres north-northwest from the northwest tip of Klinkit Lake.
CLAIMS: SHAR 7 and 8 (18 units each).
OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario.
METALS: (Molybdenum, tungsten, copper).
DESCRIPTION: The claims are underlain by Jurassic biotite-hornblende granodiorite to quartz monzonite containing screens of biotite schist and limestone with minor skarn. Quartz monzonite is strongly fractured and has been cut by porphyry stockwork. Visible molybdenite, scheelite, chalcopyrite-pyrite, and magnetite occur in the quartz and granitic veins.
WORK DONE: Geological mapping, 1:5000; ground scintillometer survey, 24 kilometres; radiometrics, 792 readings; and geochemical survey, 18 silt, 346 soil, and 26 rock samples analysed for copper, molybdenum, zinc, and tungsten, on both claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 311; Assessment Reports 8270, 9301.

TOP (Fig. E-1, NTS 104, No. 122)

LOCATION: Lat. 59° 48′ Long. 131° 42′ (104O/13E)
ATLIN M.D. Approximately 11.5 kilometres south of Milepost 753 on the Alaska Highway and 6 kilometres due east of Swift Lake.
CLAIMS: ARSENAULT 1 to 3 (20 units each).
OWNER: REBEL DEVELOPMENTS LTD., 3, 425 Howe Street, Vancouver V6C 2A9.
METAL: Copper.
DESCRIPTION: Drilling encountered folded muscovite schist and pyritic quartzite, actinolite-bearing metavolcanic rocks, and quartz feldspar porphyry intrusive rocks. Pyrite, chalcopyrite, and pyrrhotite occur in bedded zones and skarn.
WORK DONE: Diamond drilling, 1 BQ hole, totalling 445.3 metres, on Arsenault 1.
REFERENCES: Mineral Inventory 104O-11; *Geol. Surv., Canada*, Paper 68-55, p. 35; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 55; Assessment Reports 1149, 2976, 3014, 3502, 8022.

TAN (Fig. E-1, NTS 104, No. 125)

LOCATION: Lat. 59° 50′ Long. 130° 45′ (104O/15)
ATLIN and LIARD M.D. Approximately 10 kilometres north-northeast of the junction of McNaughton Creek and Nome Creek, approximately 58 kilometres north-northeast of the junction of Jennings River and Ash Creek.
CLAIMS: PLATE 1 and 2 (18 units each), PLATE 3 (8 units), PLATE 4 (20 units).
OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario.
METAL: Antimony.
DESCRIPTION: The property is underlain by complexly folded and faulted interbedded metasedimentary rocks. These are intruded by sills and stocks of biotite-hornblende quartz monzonite, hornblende-biotite granodiorite-diorite, dykes

of quartz feldspar porphyritic diorite and felsite. The Nome Lake batholith outcrops in the southeast corner of the claim group. Quartz veining is in the metasedimentary rocks.

WORK DONE: Geological mapping, 1:2500; radiometrics, 503 readings; and geochemical surveys, 519 soil samples analysed for copper, zinc, and silver, 33 water samples analysed for pH and specific conductivity, 74 rock samples analysed for copper, lead, zinc, and silver, 9 silt samples analysed for molybdenum, copper, lead, zinc, silver, gold, uranium, thorium, tin, and tungsten, and 75 silt samples analysed for copper, zinc, and silver, on all claims.

REFERENCES: Mineral Inventory 104O-6; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 56; Exploration in B.C., 1979, p. 312; Assessment Reports 3045, 8304, 9207.

RAN (Fig. E-1, NTS 104, No. 129)

LOCATION: Lat. 59° 47' Long. 130° 30' (104O/15E, 16W)
LIARD M.D. Approximately 9.8 kilometres south-southwest of the junction of Tootsee Lake and Tootsee River.

CLAIMS: RAN 1 and 2 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METALS: Silver, lead.

DESCRIPTION: The claims are underlain by foliated and brecciated biotite granodiorite and augen gneiss of the Cassiar batholith (Middle Cretaceous) in fault contact with the Nome Lake batholith. A quartz porphyry dyke and diabase dykes also occur on the property. Numerous vuggy quartz veins contain pyrite and minor argentiferous galena.

WORK DONE: Geological mapping, 1:5000, 1:2500; radiometric survey; and geochemical surveys, 1 019 soil samples analysed for lead, zinc, and silver, 45 rock samples analysed for lead, zinc, silver, gold, antimony, and arsenic, and 1 heavy mineral silt sample analysed for multi-elements, on both claims.

REFERENCES: Mineral Inventory 104O-37; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 313, 314; Assessment Reports 8307, 9345.

AMY, PCP (Fig. E-1, NTS 104, No. 188)

LOCATION: Lat. 59° 55' Long. 130° 29' (104O/15E, 16W)
LIARD M.D. Approximately 65 kilometres northeast of Butsih Creek and Klinkit Creek; Tootsee River runs through the property.

CLAIMS: BEAR (2 units), BEAR 2, BLUE, BLUE 2 (1 unit each), CUB, DS 1 and 2 (9 units each), MAL (15 units), COL (6 units), BP (10 units), JM (4 units), RW (10 units), TM (16 units), ROX (1 unit), FLO 1 to 4, LEO 1 and 2.

OWNER: MARBACO RESOURCES LTD., 73 Water Street, Vancouver V6B 1A1.

METALS: Silver, lead, zinc.

DESCRIPTION: The property is located on the eastern flank of the Cassiar batholith (Middle Cretaceous) where granitoid rocks lie in irregular contact with clastic sedimentary rocks (Lower Cambrian). Mineralized zones occur as limestone replacement in strike-fault shear zones along the contact.

WORK DONE: Geochemical survey, 265 soil samples analysed for silver, lead, and zinc.

REFERENCES: Mineral Inventory 104O-4, 25; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 352 (PCP); Exploration in B.C., 1979, p. 314 (Amy, Gem); Assessment Reports 3566, 6798, 7539, 10066.

TOOTS 1 and 2 **(Fig. E-1, NTS 104, No. 126)**

LOCATION: Lat. 59° 57' Long. 130° 36' (104O/15E)
LIARD M.D. Nine kilometres north of the west end of Tootsee Lake.

CLAIMS: TOOTS 1 and 2 (20 units each), AMBER 1 (6 units), AMBER 2 (16 units), AMBER 3 and 4 (20 units each), AMBER 5 and 6 (10 units each).

OWNER: CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

METALS: Silver, lead, zinc.

DESCRIPTION: The claims are situated on strongly fractured and faulted granodiorite quartz monzonite, rhyodacite, and hypabyssal rocks of the Cassiar batholith that intrude sedimentary and volcanic rocks. Minor silver, lead, zinc, and other metal sulphide and oxide mineralization occurs at contacts and in quartz veins.

WORK DONE: Geological mapping, 1:5000; ground magnetometer survey, 3.26 kilometres; and geochemical surveys, 263 soil samples analysed for copper, lead, zinc, molybdenum, silver, cobalt, and tungsten, 28 rock samples analysed for gold, silver, copper, lead, zinc, and molybdenum, and 9 tested for cobalt and tungsten, on all claims.

REFERENCES: Mineral Inventory 104O-35; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 312; Assessment Reports 8061, 8435.

SHAR 1 and 2 **(Fig. E-1, NTS 104, No. 123)**

LOCATION: Lat. 59° 57' Long. 130° 38' (104O/15E)
LIARD M.D. Seven kilometres north-northwest of the west end of Tootsee Lake.

CLAIMS: SHAR 1 and 2 (18 units each), SHAR 10 (4 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METALS: Lead, copper.

DESCRIPTION: The claims are underlain by a slightly foliated biotite granodiorite of the Cassiar batholith. The intrusive is cut by a quartz feldspar porphyry and by diabase dykes. Numerous shear zones in the intrusive contain limonite, hematite, epidote, manganite, and quartz and aplite veins. Minor chalcopyrite and galena are present in the quartz veins. Some talus samples are anomalous in silver.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 209 soil samples analysed for lead, zinc, and silver, on all claims, 28 rock samples analysed for copper, lead, zinc, silver, and gold, 6 heavy mineral samples analysed for copper, molybdenum, lead, zinc, silver, thorium, tin, and tungsten, and 6 stream sediment samples analysed for lead, zinc, and silver, on Shar 1 and 2.

REFERENCES: Mineral Inventory 104O-36; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 312, 313; Assessment Reports 8272, 9205.

ALLEN **(Fig. E-1, NTS 104, No. 124)**

LOCATION: Lat. 59° 59' Long. 130° 40' (104O/15E)
LIARD M.D. Fourteen kilometres north-northwest of Tootsee Lake.

CLAIMS: ALLEN 1 and 2 (15 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M5W 5X8.

DESCRIPTION: The claims are underlain by mid-Cretaceous biotite±muscovite quartz monzonite to granodiorite of the Cassiar batholith. Strongly altered fracture zones with pyritic quartz veins and narrow diabase dykes cut the intrusive.

WORK DONE: Geological mapping, 1:5000; radiometrics; and geochemical survey, 117 soil samples analysed for lead, zinc, and silver and 19 rock samples analysed for copper, molybdenum, lead, zinc, and silver, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 313; Assessment Reports 8308, 9385.

HEAP (Fig. E-1, NTS 104, No. 130)

LOCATION: Lat. 59° 59' Long. 130° 07' (104O/16E)
LIARD M.D. Twenty kilometres northeast of Tootsee Lake, just south of the British Columbia–Yukon border.

CLAIMS: HEAP 1 and 2 (16 units each).

OWNER: AMAX OF CANADA LTD., 601, 535 Thurlow Street, Vancouver V6E 3L6.

DESCRIPTION: The property geology is dominated by a north-northwest-striking Middle Cambrian interbedded limestone-argillite sequence overlain by Silurian-Devonian quartzite and sandy carbonate rocks. Several small outcrops of quartz feldspar porphyry with an aphanitic groundmass were mapped on the Yukon side of the border. Minor pyrrhotite and trace scheelite are present in the weakly hornfelsed Middle Cambrian metasedimentary rocks along the British Columbia–Yukon border.

WORK DONE: Geological mapping, 1:5000, 1:10 000; linecutting, 40 kilometres; and geochemical survey, 632 soil, 33 rock, and 27 silt samples analysed for tungsten, molybdenum, copper, lead, zinc, iron, manganese, and silver (27 collected in British Columbia), on both claims.

REFERENCE: Assessment Report 8534.

REB (Fig. E-1, NTS 104, No. 177)

LOCATION: Lat. 59° 47' Long. 130° 28' (104O/16W)
LIARD M.D. Approximately 12 kilometres south from the northern tip of Tootsee Lake.

CLAIMS: REB 1 (16 units), REB 2 (9 units).

OWNER: FIRST NUCLEAR CORPORATION LTD., 1210, 10045 – 111th Street, Edmonton, Alberta T5K 1K4.

DESCRIPTION: The property is underlain by rocks of the Cassiar batholith (Cretaceous) ranging from porphyritic quartz-mica-monzonite on the west central area to red foliated granite toward the northeast. Several basaltic dykes occur, ranging in width from a few centimetres to about 2 metres. A quartz pod with remnants of weathered pyrite was noted.

REFERENCE: Assessment Report 9128.

TOOTS 4 (Fig. E-1, NTS 104, No. 128)

LOCATION: Lat. 59° 55' Long. 130° 18' (104O/16W)
LIARD M.D. Seven kilometres east-northeast of the east end of Tootsee Lake.

CLAIMS: TOOTS 4 (20 units), BETH 1 (12 units), BETH 2 and 3 (20 units each), BETH 4 (18 units), RENEE 1 (12 units).

OWNER: CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

DESCRIPTION: Upper Devonian Sylvester Group limestone and slate are poorly exposed on the property. No mineralization was observed in place.

WORK DONE: Geological mapping, 1:5000; ground magnetometer survey and ground electromagnetic survey, 12.57 kilometres; and geochemical survey, 275 soil and 26 silt samples analysed for silver, copper, molybdenum, lead, zinc, and tungsten with some also analysed for cobalt and tin, and 16 rock samples analysed for gold and silver.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 314; Assessment Reports 8061, 8484.

TOOTS 3 (Fig. E-1, NTS 104, No. 127)

LOCATION: Lat. 59° 57' Long. 130° 22' (104O/16W)
LIARD M.D. Eight kilometres northeast of the east end of Tootsee Lake.

CLAIMS: TOOTS 3 (20 units), JOJO (2 units).

OWNER: CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

DESCRIPTION: Disseminated galena, sphalerite, and pyrite grains occur within skarnified fossiliferous limestone and hornfels at the eastern boundary of the Cassiar batholith.

WORK DONE: Geochemical survey, 5 soil and silt and 13 rock samples analysed for silver, lead, zinc, and tin, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 315; Assessment Report 8061.

ROOT (Fig. E-1, NTS 104, No. 132)

LOCATION: Lat. 59° 58' Long. 130° 24' (104O/16W)
LIARD M.D. Nine kilometres north-northeast of the east end of Tootsee Lake.

CLAIMS: ROOT 1 (6 units), ROAD 1 (12 units), BOOT 1 (20 units), LOOT 1 (16 units).

OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver.

METALS: (Lead, zinc, tungsten, molybdenum).

DESCRIPTION: The property is underlain by quartz monzonite of the Cassiar batholith and Cambrian to Devonian shales, quartzite carbonates, and derived hornfels and skarn. Stringers and blebs of galena and sphalerite occur in limy, cherty breccia. Scheelite, molybdenite, and powellite are disseminated in skarn zones; molybdenite occurs with quartz veins in quartz monzonite.

WORK DONE: Geological mapping, 1:5000; linecutting, 23.6 kilometres; and geochemical survey, 776 soil samples analysed for zinc, lead, silver, copper, and molybdenum with 453 of these also analysed for tungsten, on all claims.

REFERENCES: Mineral Inventory 104O-34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 316; Assessment Reports 7673, 8566.

NANCY (Fig. E-1, NTS 104, No. 33)

LOCATION: Lat. 59° 58' Long. 130° 26' (104O/16W)
LIARD M.D. Nine kilometres north of the east end of Tootsee Lake.

CLAIMS: LAKE 8 to 11 (4 units), TOOT 1 (15 units), TOOT 2 (10 units).

OWNER: NORANDA EXPLORATION CO., LTD., Box 2380, Vancouver.
METALS: Molybdenum, lead, zinc, tungsten, copper.
DESCRIPTION: The underlying rocks are biotite quartz monzonite in contact with hornfels and skarn derived from shale and limestone (Cambrian/Ordovician). This zone contains minor concentrations of pyrite, molybdenite, scheelite, galena, and sphalerite.
WORK DONE: 1979 – geological mapping, 1:2500; and diamond drilling, 1 BQ hole, totalling 124.4 metres, on Toot 1.
REFERENCES: Mineral Inventory 104O-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 315; Assessment Reports 7257, 8125.

JCS (Fig. E-1, NTS 104, No. 131)

LOCATION: Lat. 59° 59′ Long. 130° 23′ (104O/16W)
LIARD M.D. Located 10.5 kilometres north-northeast of Tootsee Lake.
CLAIMS: JCS 1 (12 units), JCS 2 (20 units).
OWNER: DU PONT OF CANADA EXPLORATION LTD., 102, 1550 Alberni Street, Vancouver V6G 1A5.
DESCRIPTION: Skarn is developed in sandy limestone of unknown age at the contact with the Cassiar batholith. Scheelite and quartz veins cut diopside to wollastonite skarn containing disseminated scheelite.
WORK DONE: Sampling, 400 samples taken, covering both claims; and trenching, 5 trenches, totalling 127.5 metres.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 315; Assessment Report 7870.

McDAME 104P

KIRK (Fig. E-1, NTS 104, No. 134)

LOCATION: Lat. 59° 01′ Long. 129° 10′ (104P/3E)
LIARD M.D. Approximately 120 kilometres south of Watson Lake; the claims straddle Four Mile River approximately 2 kilometres south of its junction with Nizi Creek.
CLAIMS: NIZI 1 and 2 (2 units each), NIZI 3 and DAY (4 units each), DAME 1 (2 units), DAME 2 and 3 (4 units each).
OWNER: KEYSTONE EXPLORATIONS LTD., 209, 475 Howe Street, Vancouver.
METALS: Copper, lead, zinc, silver.
DESCRIPTION: Massive to near massive mineralization, comprising chalcopyrite, pyrite, pyrrhotite, magnetite, specularite, and sphalerite, occurs on or near the contact between moderately dipping chloritic schists and overlying carbonates of the Sylvester Group. The gangue is mainly epidote, quartz, and carbonate which suggests that the occurrence is probably a low-grade skarn deposit.
WORK DONE: Ground electromagnetic survey, 21 kilometres, on all claims.
REFERENCES: Mineral Inventory 104P-27; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 39; Exploration in B.C., 1978, p. E 277; Assessment Reports 1625, 1831, 2765, 7113, 8548.

LANG, GEORGE, RAY 2 (RED) (Fig. E-1, NTS 104, No. 141)

LOCATION: Lat. 59° 15' Long. 129° 47' (104P/4, 5)
LIARD M.D. Approximately 9 kilometres northeast of the junction of Quartzrock and Troutline Creeks and 5 kilometres southeast of Cassiar.

CLAIMS: ALTA 1 (2 units), ALTA 2 and 3 (20 units each), ALTA 4 (12 units), ALTA 5 (16 units), PIT 1 and 2, PEGGY 1 to 12, LANG 1 to 12, BRIGHT 3 to 6 (53 units), REO 1 to 12, RED 1 to 4, CHIERA (10 units), BEV 1 to 20, ZONE 1 to 4.

OWNER: SHELL CANADA RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

METALS: Lead, zinc, silver, tin.

DESCRIPTION:

The project area is situated on the western limb of the McDame synclinorium, a major northwest-striking structural feature. Precambrian through Devonian sedimentary rocks form the east and west limbs of the synclinorium with a Devono-Mississippian volcanic and sedimentary package forming the core.

The lowermost unit outcropping on the property is quartzites and carbonates of the Lower Cambrian Atan Group. Conformably overlying the Atan Group to the east is the Cambro-Ordovician Kechika Group, a shale and slate sequence with some argillaceous sections. The Kechika Group is conformably overlain to the east by Ordovician and Silurian rocks of the McDame Group. A thrust fault is proposed between McDame Group rocks and Devonian-Mississippian volcanic-sedimentary rocks of the Sylvester Group.

To the west the quartzite unit of the Atan Group is in contact with Cretaceous intrusive rocks of the Cassiar batholith.

Strikes of north 20 degrees west and dips of from 30 degrees to 70 degrees east are consistent across the property for all rock units; minor variations caused by folding and faulting occur locally.

Contacts between the various rock units are considered to be regionally conformable while faulted contacts are interpreted between units within the project area. This may be due to movement along the contact planes during the formation of the synclinorium. The lithologies are transected by several major east-west trending and northwest-southeast trending strike slip faults and local splays.

Lead, zinc, silver, and tin mineralization is localized proximal to east-west structural zones as replacement bodies hosted in the Atan carbonate member and are considered to be genetically related to molybdenite-bearing intrusive phases of the Cassiar batholith outcropping immediately to the west of the property.

Copper-zinc mineralization occurs at the contact between Sylvester Group cherty argillites and andesite-dacite pyroclastic volcanic rocks.

WORK DONE: 1979 – geological mapping, 1:5000, 1:2500; and geochemical survey, 360 soil, rock, and silt samples analysed for copper, lead, zinc, molybdenum, tin, and tungsten, on most of the claims; induced polarization survey, 34.2 kilometres; ground magnetometer survey, 66.2 kilometres; ground electromagnetic survey, 36.2 kilometres; and linecutting, 66 kilometres, on Bev, Alta 1 and 6, Pit, Zone, and Chiera; 1980 – geological mapping, 1:2500, on Alta 1, 5, 6, Chiera, Zone, Pit, Lang 12, Bev, and Reo; ground electromagnetic survey, 19.2 kilometres, on Alta 1, 5, 6, Chiera, Zone, Pit, Lang 12, and Reo; linecutting, 23 kilometres, on Alta 1, 6, Chiera, Zone, Pit, and Reo; diamond drilling, 7 holes, totalling 508 metres, on Chiera and Bev; geochemical surveys, 62 soil and 19 silt samples analysed for molybdenum, on Bright and 350 soil samples analysed for gold with 150 also analysed for copper and silver, on Reo.

REFERENCES: Mineral Inventory 104P-8, 9, 44, 50; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp 317, 318 (Red); Assessment Reports 1990, 7465, 7912, 9262.

CORDOBA (Fig. E-1, NTS 104, No. 135)

LOCATION: Lat. 59° 10′ Long. 129° 41′ (104P/4E)
LIARD M.D. Fifteen kilometres southeast of Cassiar, at the headwaters of Pooley Creek.

CLAIMS: PETE (18 units), CORDOBA (12 units), BUNNY (12 units), TARA (12 units), plus JAGER, LORRAINE 1 and 2.

OWNER: CUSAC INDUSTRIES LTD., 330, 890 West Pender Street, Vancouver.

METALS: Gold, silver.

DESCRIPTION: Sylvester slates, volcaniclastic rocks, and grey chert are intruded by andesitic dykes and sills. Auriferous and argentiferous quartz veins, felsite, and quartz carbonate-siderite veins occupy faults and fractures.

WORK DONE: Mapping; diamond drilling; portable mill construction; road and camp construction.

REFERENCES: Mineral Inventory 104P-25; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 316; Assessment Report 8634.

HUNTER (Fig. E-1, NTS 104, No. 138)

LOCATION: Lat. 59° 11′ Long. 129° 31′ (104P/4E)
LIARD M.D. Twenty kilometres southeast of Cassiar, at the headwaters of Huntergroup Creek.

CLAIMS: HUNTER (12 units), FORD (20 units).

OWNER: SILVER STANDARD MINES LTD., 904, 1199 West Hastings Street, Vancouver V6E 3V4.

METALS: Gold, silver.

DESCRIPTION: Gold-bearing quartz veins occupy volcanic-sedimentary rock contact zone.

WORK DONE: Geological mapping; trenching, 9 trenches, totalling 400 metres; and sampling, 300 soil samples taken.

REFERENCES: Mineral Inventory 104P-34; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 316.

JENNIE, GOLD HILL (Fig. E-1, NTS 104, No. 178)

LOCATION: Lat. 59° 13′ Long. 129° 35′ (104P/4E)
LIARD M.D. Approximately 18.9 kilometres north-northeast of the junction of Cottonwood and Dease Rivers (Finlayson Creek flows through the centre of the property).

CLAIMS: Seventy-five mineral claims including ADIT NO. 1 (Lot 6540), WEST FR. (Lot 6537), ADIT NO. 2 (Lot 6539), JENNIE EXTENSION 1 to 4, RED HILL 5 and 6, FG 1 and 2, TOP 1 to 5, NORA, ROCK, GOLDHILL 1 to 4, AA, LAKE, MC, NED 1, VAL, UP, SUN, SNO, KAT, MILL, BIT, NA, TIP 1, GO, SKY, and K.

OWNERS: Erickson Gold Mining Corp. and Newcoast Silver Mines Ltd.

(104P/4E)

OPERATOR: ESSO RESOURCES CANADA LTD., 600, 1281 West Georgia Street, Vancouver.

METAL: Gold.

DESCRIPTION: The property is underlain by Mississippian to Late Devonian Sylvester Group volcanic and sedimentary rocks which form the core of the southeast-plunging McDame synclinorium. Two large northeast-trending silicified shear zones or explosion breccias have been delineated. A massive subvolcanic intrusive diorite also has been identified.

WORK DONE: Geological mapping, 1:2000; ground electromagnetic survey, 4.8 kilometres; and geochemical survey, 3 680 soil samples analysed for arsenic, silver, copper, and gold and 76 rock samples analysed for gold and silver; biogeochemical survey, 51 samples analysed for gold, all on Goldhill 1-4, Top 1, 2, 4, Nora, Ned 3, Val 20, Up, Jennie Extension, AA 20, Sno 6.

REFERENCES: Mineral Inventory 104P-17, 18, 29; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 197; 1977, p. E 245; 1979, p. 317; Assessment Reports 5628, 5704, 5887, 6125, 6641, 7501, 7601, 7816.

VOLLAUG, WILDCAT (Fig. E-1, NTS 104, No. 137)

LOCATION: Lat. 59° 12′ Long. 129° 35′ (104P/4E)
LIARD M.D. Thirteen kilometres southeast of Cassiar, on Table Mountain.

CLAIMS: KATIE 5, 6 (Lots 7019, 7018), WILDCAT 1 to 3, 9, 12 to 16 (Lots 1941 to 1943, 3714, 4211 to 4213, 4433, 4434), TED FR. (Lot 3045), FIRE (20 units), HOT, MINT, RED, LITE, JAM, LOG, WJ, STAR (20 units each), HJ, PARK (Lots 1033, 1042), DOE (Lot 1051).

OWNER: PLAZA MINING CORP., 1100, 700 West Georgia Street, Vancouver V7Y 1A1.

METALS: Gold, silver, copper.

DESCRIPTION: A thrust fault dipping 35 degrees northerly is the unconformity between foliated graphitic argillites and underlying andesite tuffs and flow rocks. The Vollaug ribbon quartz vein, from a few centimetres to 3 metres wide, occurs within the thrust fault system. Pyrite, chalcopyrite, tetrahedrite, sphalerite, galena, and native gold are disseminated within the quartz or within argillaceous quartz fractures. Total sulphide content is generally less than 2 per cent.

WORK DONE: Stripping, 1 415 cubic metres, on Wildcat 1; trenching, 2 trenches, totalling 300 metres; and diamond drilling, 48 BQ holes, totalling 1 438 metres, on Wildcat 1 and 14.

REFERENCES: Mineral Inventory 104P-19, 57; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1977, p. E 245; 1979, p. 317; Assessment Reports 4869, 5347.

ROCKY RIDGE (Fig. E-1, NTS 104, No. 139)

LOCATION: Lat. 59° 15′ Long. 129° 41′ (104P/4E)
LIARD M.D. Ten kilometres east-southeast of Cassiar, just northwest of McDame Lake.

CLAIMS: VAN (9 units), TIN 1 to 4 (4 units).

OWNER: NEWCOAST SILVER MINES LTD., 209, 475 Howe Street, Vancouver V6C 2B3.

METAL: Gold.

DESCRIPTION: Volcanic and sedimentary rocks of the Sylvester Group host numerous auriferous quartz veins.

WORK DONE: Diamond drilling, totalling 610 metres, on Van.

REFERENCES: Mineral Inventory 104P-16; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 197; 1979, p. 318; Assessment Reports 6020, 7809.

LOW GRADE, RICH (Fig. E-1, NTS 104, No. 136)

LOCATION: Lat. 59° 09′ Long. 129° 46′ (104P/4W)
LIARD M.D. Sixteen kilometres south-southeast of Cassiar, on and adjacent to Needlepoint Mountain, approximately 3.2 kilometres east of the Stewart–Cassiar highway.

CLAIMS: NEED 1 and 2 (18 units each), NEED 3 (17 units).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

METALS: Copper, zinc, molybdenum, silver, tungsten, beryllium, bismuth, tin, fluorite.

DESCRIPTION: Metacherts, schists, metadolomites, phyllites, and greenstones (Proterozoic to Devonian-Mississippian) are intruded by biotite-quartz monzonite of the Cassiar stock (Cretaceous). Visible pyrite, galena, sphalerite, and molybdenite occur in zones of fractured and altered quartz monzonite and in skarn zones.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 427 soil samples analysed for copper, molybdenite, lead, zinc, silver, and tungsten, 13 silt samples analysed for copper, molybdenum, lead, zinc, and tungsten, 113 rock samples analysed for copper, molybdenum, lead, zinc, silver (also nickel, gold, tungsten, tin, and beryllium), and 39 water samples analysed for uranium, tungsten, and arsenic, and 13 heavy minerals samples, on all claims.

REFERENCES: Mineral Inventory 104P-26, 46; *Geol. Surv., Canada*, Paper 64-54, p. 15; Mem. 319, p. 122; *Minister of Mines, B.C.*, 1955, p. 11; 1958, p. 75; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 319, 320; Assessment Reports 114, 7952, 9344.

ELOISE, CASSIAR MOLY (Fig. E-1, NTS 104, No. 140)

LOCATION: Lat. 59° 12′ Long. 129° 51′ (104P/4W)
LIARD M.D. Nine kilometres south of Cassiar, 7.5 kilometres west of Vines Lake.

CLAIMS: ANGEL 1 and 2 (21 units), SON 1 to 3 (17 units), NIECE 1 (18 units), NIECE 2 (16 units).

OWNER: CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

METAL: Molybdenum.

DESCRIPTION: The property is near the contact between sedimentary rocks (Paleozoic) and the Cassiar batholith (Jurassic–Cretaceous). The major local structure is a quartz feldspar porphyry dyke in contact with grey porphyritic rocks. The contact dips moderately southwest. Molybdenite occurs as rosettes and fracture smears within the quartz feldspar porphyry, aplite dykes, and pegmatite. Present in minor amounts are powellite, chalcopyrite, pyrite, hematite, and magnetite.

WORK DONE: 1979 – geological mapping, 1:5000, on Angel 2; 1980 – geological mapping, 1:5000, on all claims; trenching; road building, 17.46 kilometres, on Son 1-3, Niece 1, 2; and diamond drilling, 3 NQ holes, totalling 1 369 metres, on Angel 2.

REFERENCES: Mineral Inventory 104P-35; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 41; Exploration in B.C., 1976, p. E 198; 1979, p. 318; Assessment Reports 1700, 2265, 7206, 8009, 8277.

STORIE, CASMO, HUNTSMAN (CANADA GIRL, SQE) (Fig. E-1, NTS 104, No. 142)

LOCATION: Lat. 59° 14.5′ Long. 129° 49.5′ (104P/4W, 5W)
LIARD M.D. Six kilometres southwest of Cassiar, north of Bass Creek.

CLAIMS: SQE 9 to 18 (10 units), KON 1 to 15 (15 units), KON 1 to 3 Fraction (3 units), WEST 1 to 14 (14 units), STORIE 1 to 5 (71 units), ALTA 6, 8 (32 units), BRIGHT 1, 2, (32 units).

OWNERS: Casmo Mining Ltd., New Jersey Zinc Exploration Co. (Canada) Ltd., and W. J. Storie.

OPERATOR: SHELL CANADA RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

METAL: Molybdenum.

DESCRIPTION: The property is underlain by quartz-monzonite of the Cassiar stock that is a younger phase of the Cassiar batholith. The core of the stock is quartz feldspar porphyry containing molybdenite in quartz stringers occupying mainly northerly dipping fractures. The intrusive rocks are in contact with limestone and dolomite of the Atan Group (Lower Cambrian). The contact zone is marked by rusty weathering skarn-bearing pyrrhotite, magnetite, scheelite, and molybdenite, as well as several lead-zinc-silver veins. Drill-indicated potential of ultimate pit design is 100.5 million tonnes at a grade of 0.129 per cent molybdenite, using a cut-off grade of 0.07 per cent molybdenite.

WORK DONE: Linecutting, 51 kilometres; ground magnetometer survey, 51 kilometres; and induced polarization survey, 51 kilometres, on Storie 2 and 4; geological mapping, 1:5000; on all claims; diamond drilling, totalling 5 940 metres.

REFERENCES: Mineral Inventory 104P-37, 69; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 56; Paper 1979-1, Geological Fieldwork, pp. 51-56; Exploration in B.C., 1979, p. 319; Assessment Reports 277, 1962, 1990, 7978, 9215.

ELAN (Fig. E-1, NTS 104, No. 179)

LOCATION: Lat. 59° 17′ Long. 129° 45′ (104P/5W)
LIARD M.D. East of Cassiar, on Troutline Creek, just south of Mount McDame.

CLAIMS: ELAN 2 (20 units), MOSES (6 units), MOSES 2 (12 units), AL 1 Fraction, EL 1 Fraction, DEE 1 to 4 (1 unit each).

OWNERS: AJM Explorations Ltd., Agnes & Jennie Mining Co. Ltd., and S. Case.

OPERATOR: AJM EXPLORATIONS LTD., 203, 1214 East Fourth Street, North Vancouver.

DESCRIPTION: The area drilled is underlain by andesites of the Sylvester Group (Upper Devonian–Lower Mississippian) which hosts mineralized quartz veins. Mineralization consists of tetrahedrite, sphalerite, and pyrite.

WORK DONE: Diamond drilling, 17 BQ holes, totalling 931.9 metres, on Elan 2.

REFERENCE: Assessment Report 8879.

CONTACT, WINDY, BALSAM (Fig. E-1, NTS 104, No. 149)

LOCATION: Lat. 59° 21′ Long. 129° 52′ (104P/5W)
LIARD M.D. Approximately 16 kilometres north-northwest of Cassiar.

CLAIMS: KARHU 1 to 3, BALSAM 1, 2, WINDY 2 to 4, OBOY 3 to 7 (total 149 units).

OWNERS: G. Moffat and Shell Canada Resources Ltd.

OPERATOR: SHELL CANADA RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

METALS: Silver, lead, zinc, bismuth, antimony, molybdenum, manganese.

DESCRIPTION: The property is underlain by a north-northwest-trending 60 to 70-degree easterly dipping sequence of Proterozoic to Middle Ordovician carbonate and pelitic sedimentary rocks forming the western limb of the McDame syncline. Lower Cretaceous quartz monzonite, the eastern edge of the Cassiar Stock, intrudes along the western boundary and two generations of differentiates form cupolas paralleling this contact. Metasomatic skarns contain tungsten-copper-zinc-molybdenum mineralization.

WORK DONE: 1979 – geological mapping, 1:2000, 1:1000; linecutting, 90.1 kilometres; ground magnetometer survey, 50 kilometres; and geochemical survey, 35 silt samples analysed for heavy minerals and 1106 soil samples analysed for molybdenum, zinc, and tungsten, on Balsam 1 and 2 and Windy 2-4; 1980 – geological mapping, 1:10 000; and geochemical survey, 16 soil and 52 rock samples analysed for tungsten and molybdenum, on Karhu 1-3.

REFERENCES: Mineral Inventory 104P-4, 71; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 40; Exploration in B.C., 1979, p. 320; Assessment Reports 7520, 8077, 8265, 9176.

STAR, LAMB MTN. (Fig. E-1, NTS 104, No. 150)

LOCATION: Lat. 59° 23′ Long. 129° 53′ (104P/5W)
LIARD M.D. Twelve kilometres north-northwest of Cassiar, on Lamb Mountain.

CLAIMS: M 1 to 4 (total 64 units).

OWNER: UNION CARBIDE CANADA LTD., 930, 800 West Pender Street, Vancouver.

METALS: (Molybdenum, tungsten).

DESCRIPTION: The property is underlain by clastic and calcareous rocks of the Atan Formation (Lower Cambrian) in contact with a quartz monzonite intrusive stock (Cretaceous). Molybdenite and scheelite occur in skarn zones.

WORK DONE: 1979 – geological mapping, 1:10 000, 1:2000; ground magnetometer survey and ground electromagnetic survey, 10.2 kilometres, diamond drilling, 7 BQ holes, totalling 1 041.8 metres, on M 1 and 3.

REFERENCES: Mineral Inventory 104P-3; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 321; Assessment Reports 7242, 7964.

KAZ (Fig. E-1, NTS 104, No. 148)

LOCATION: Lat. 59° 20′ Long. 129° 46′ (104P/5)
LIARD M.D. Approximately 7 kilometres northeast of Cassiar on the west side of Quartzrock Creek.

CLAIMS: KAZ 1 and 2 (18 units each).

OWNER: CANADIAN OCCIDENTAL PETROLEUM LTD., 311, 215 Carlingview Drive, Rexdale, Ontario M9W 5X8.

DESCRIPTION: The claims are underlain by Upper Devonian and Lower Mississippian metamorphosed sedimentary and volcanic rocks of the Sylvester Group. The predominant rock types are mafic metavolcanics and their intrusive equivalents. Locally the greenstone has been carbonated and cut by quartz-carbonate pods and veins.

WORK DONE: Geological mapping, 1:5000; and geochemical survey, 100 soil and 50 rock samples analysed for copper, zinc, and gold, 3 heavy mineral samples analysed for copper, molybdenum, lead, zinc, silver, gold, uranium, and thorium, and 15 stream sediment samples analysed for copper, on both claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 320; Assessment Reports 8302, 9343.

RED ROCK (Fig. E-1, NTS 104, No. 145)

LOCATION: Lat. 59° 16' Long. 129° 41' (104P/5E)
LIARD M.D. Nine kilometres east-southeast of Cassiar, covering the junction of Troutline and Quartzrock Creeks.

CLAIMS: WING GOLD 1 and 2 (1 unit each), PANDA (20 units), CAMP (8 units).

OWNER: R. G. Wilms.

OPERATOR: PLAZA RESOURCES CORP., 1100, 700 West Georgia Street, Vancouver.

METALS: Gold, silver, copper, zinc.

DESCRIPTION: The claims are underlain by auriferous interbanded quartz and altered andesite of the Sylvester Group (Lower Mississippian-Upper Devonian). Grains of pyrite, chalcopyrite, tetrahedrite, and sphalerite occur in the quartz veins.

WORK DONE: Geological mapping, 1:2500, on Wing Gold 1 and 2 and Panda.

REFERENCES: Mineral Inventory 104P-15; *Minister of Mines, B.C.*, Ann. Rept., 1935, p. B19; Assessment Report 8552.

HOPEFUL, MACK (Fig. E-1, NTS 104, No. 143)

LOCATION: Lat. 59° 16' Long. 129° 42' (104P/5E)
LIARD M.D. Nine kilometres east of Cassiar, just north of the junction of Quartzrock and Troutline Creeks.

CLAIMS: MAC 1 to 4 (4 units), HIGHGRADE (1 unit), HOPEFUL 1 to 4 (4 units), HILLSIDE (1 unit).

OWNER: J. R. Hope.

OPERATOR: PLAZA RESOURCES CORP., 1100, 700 West Georgia Street, Vancouver V7Y 1A1.

METAL: Gold.

DESCRIPTION: Synclinal andesitic flow rocks and sedimentary rocks of the Sylvester Group (Upper Devonian-Lower Mississippian) are cut by northerly shear zones and easterly fractures that contain pyritic (auriferous) quartz veins.

WORK DONE: 1979 – geological mapping, 1:4800.

REFERENCES: Mineral Inventory 104P-10, 11; *Geol. Surv., Canada*, Mem. 194, p. 15, Mem. 319, p. 117; *Minister of Mines, B.C.*, Ann. Rept., 1934, p. B 20; Assessment Reports 1990, 8226.

CORNUCOPIA, COPCO, HANNA (Fig. E-1, NTS 104, No. 144)

LOCATION: Lat. 59° 16.5' Long. 129° 41' (104P/5E)
LIARD M.D. Ten kilometres east of Cassiar, straddling Quartzrock and Snowy Creeks, just north of Troutline Creek.

CLAIMS: COPCO 1 to 6, ATLAS 1 to 12, ROY 1 to 4, TOD 7, 8, THRUSH, ROY Fraction, HANNA 9, PORTAL 1, 2.

OWNER: Taurus Resources Ltd.

OPERATOR: UNITED HEARNE RESOURCES LTD., 14, 1199 West Hastings Street, Vancouver V6E 2K5.

METALS: Gold, silver.

DESCRIPTION: Quartz-filled steeply dipping east-west fractures cutting andesite and tuffs of the Sylvester Group (Devonian) contain native gold, pyrite, and minor amounts of sphalerite, chalcopyrite, and tetrahedrite. Post-quartz movement on the vein has provided channel-ways for two or more periods of mineralization. A secondary set of fractures trending northwest and southeast has offset the vein systems right and left. Ankerite alteration of vein wallrock is a prominent feature.

WORK DONE: Underground development, drifting, 312.6 metres on Copco 1 and 2 and raising, 30.5 metres, on Roy Fraction and Tod 7 and 8; trenching, 1 trench, 262.3 metres long, on Roy 2 and 4; underground diamond drilling, 15 AQ holes totalling 520.5 metres, on Copco 1 and 2; diamond drilling, 4 BQ holes, totalling 416.3 metres, on Copco 5 and 6.

REFERENCES: Mineral Inventory 104P-12; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 354; Exploration in B.C., 1978, p. E 278; 1979, p. 322; Assessment Reports 5493, 6974, 7545, 7897.

ARGOLD (Fig. E-1, NTS 104, No. 146)

LOCATION: Lat. 59° 17′ Long. 129° 36′ (104P/5E)
LIARD M.D. Approximately 24 kilometres northwest of McDame; claims lie 2.3 kilometres northwest of Allan Lake which lies on McDame Creek.

CLAIMS: ARGOLD 1 and 2 (20 units each).

OWNER: CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.

DESCRIPTION: The property lies along the northwesterly trending McDame synclinorium occupied by the Upper Devonian and Lower Mississippian Sylvester Group of rocks. The main rock types on the claims are greenstone, argillite, and a banded hematitic unit. These rocks are cut by barren, white bull quartz.

WORK DONE: Geological mapping, 1:5000; road building, 1 812 metres; and trenching, totalling 80.4 cubic metres, on both claims.

REFERENCE: Assessment Report 8850.

AL, LUCKY SHOT (Fig. E 1, NTS 104, No. 185)

LOCATION: Lat. 59° 17.5′ Long. 129° 39′ (104P/5E)
LIARD M.D. Approximately 7 kilometres southwest from the south portion of Long Lake with Quartzrock Creek flowing through the western portion of the claims.

CLAIMS: DEKALB 1 and 2 (20 units each), DEKALB 3 (17 units), DEKALB 4 (19 units), DEKALB 5 and DEKALB 6 (20 units each).

OWNER: DEKALB MINING CORP., 630 Sixth Avenue SW, Calgary, Alberta T2P 0S8.

METALS: Copper, nickel.

DESCRIPTION: The area is underlain by the McDame Group carbonates and by the younger Upper Devonian-Lower Mississippian Sylvester Group of volcanic and sedimentary rocks. These rocks are intruded by quartz monzonite of the Cassiar batholith. The bedded rocks form a synclinorium; faulting and shearing are well defined.

WORK DONE: Geological mapping, 1:25 000, on all claims.

REFERENCES: Mineral Inventory 104P-41; Assessment Report 9573.

McDAME BELLE (Fig. E-1, NTS 104, No. 180)

LOCATION: Lat. 59° 16′ Long. 129° 23′ (104P/6W)
LIARD M.D. Approximately 29 kilometres east from Cassiar, with McDame Creek flowing through the property.

CLAIM: BAD BEAR 1 (8 units).

OWNER: D. Baxter.

OPERATOR: COLONY PACIFIC EXPLORATIONS LTD., 1178 Hamilton Street, Vancouver V6B 2S7.

METALS: Silver, lead, zinc, copper, tungsten, bismuth.

DESCRIPTION: Narrow northeast-trending units of phyllites, limestones, argillites, and dolomites are exposed along McDame Creek. A major fault zone, the Creek Fault Zone, in part paralleling McDame Creek, has been traced 1 500 metres. Limited parallel or complimentary faults are associated. Mineralization is pyrite, pyrrhotite, sphalerite, galena, and chalcopyrite.

WORK DONE: Ground electromagnetic survey and ground magnetometer survey, 21 kilometres; and geochemical survey, 66 soil samples analysed for zinc and silver.

REFERENCES: Mineral Inventory 104P-22; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 14; Assessment Report 8684.

DOME, REED (Fig. E-1, NTS 104, No. 151)

LOCATION: Lat. 59° 18′ Long. 129° 28′ (104P/6W)
LIARD M.D. Twenty-three kilometres east of Cassiar, just southwest of Mount Reed.

CLAIMS: J (12 units), REED 1 and 2 (total 27 units).

OWNER: A. J. MacDonald and J. M. Ashton.

OPERATOR: CANADIAN SUPERIOR EXPLORATION LTD., 1800, 701 West Georgia Street, Vancouver.

METALS: Tungsten, molybdenum, zinc.

DESCRIPTION: Mineralization consists of powellite, scheelite, molybdenite, and sphalerite in skarns that have formed around a Tertiary granite porphyry stock intruding the middle limestone member of the Atan Group. Locally skarns are magnetite rich.

WORK DONE: Geological mapping, 1:1250; diamond drilling, 7 NQ and BQ holes, totalling 866.85 metres; and geochemical survey, 317 rock samples analysed for molybdenum, tungsten, zinc, and tin, on J.

REFERENCES: Mineral Inventory 104P-43; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1978, pp. E 278, E 279; 1979, p. 322; Assessment Reports 7069, 7572, 8421.

ZEP (Fig. E-1, NTS 94, No. 82)

LOCATION: Lat. 59° 24′ Long. 128° 00′ (94M/5W; 104P/8E)
Report on this property in Metals section 94M/5W.

PIP (Fig. E-1, NTS 104, No. 152)

LOCATION: Lat. 59° 44′ Long. 129° 42′ (104P/12E)
LIARD M.D. Eighty kilometres southwest of Watson Lake, Yukon Territory, just south of the west end of Captain Lake.
CLAIMS: PIP 1 (6 units), PIP 2 (12 units).
OWNER: DONEGAL RESOURCES LTD., 1055 Marine Drive, North Vancouver V7P 1S6.
METAL: Copper.
DESCRIPTION: Shale, limestone, and sandstone of the Ketchika and Atan Groups contain a heavily silicified breccia zone with pyrite and possibly chalcopyrite mineralization.
WORK DONE: 1979 – diamond drilling, 4 BQ holes, totalling 180.1 metres, on both claims.
REFERENCES: Mineral Inventory 104P-60; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 199; Assessment Reports 6087, 8627.

DONNA (Fig. E-1, NTS 104, No. 181)

LOCATION: Lat. 59° 52′ Long. 129° 30′ (104P/13E, 14W)
LIARD M.D. Approximately 16 kilometres northeast of the northern tip of Captain Lake; South Albert Creek cuts the southeast tip of the claim group.
CLAIMS: DONNA 1 (20 units), DONNA 2 (16 units), DONNA 3 (20 units).
OWNER: S. BRIDCUT, Watson Lake, Yukon Territory.
DESCRIPTION: The property is underlain chiefly by graphitic shale and limestone-dolomite of the Lower Cambrian Atan Group.
WORK DONE: Diamond drilling, 1 BQ hole, totalling 122 metres, on Donna 3.
REFERENCE: Assessment Report 8620.

ZAP (Fig. E-1, NTS 104, No. 153)

LOCATION: Lat. 59° 54′ Long. 129° 33′ (104P/13E)
LIARD M.D. East of Little Rancheria River, 7 kilometres northeast of One Ace Mountain.
CLAIMS: ZAP 1 to 11 (total 207 units).
OWNER: FALCONBRIDGE NICKEL MINES LTD., 6415 – 64 Street, Delta V4K 4E2.
METALS: Lead, zinc, silver, cadmium.
DESCRIPTION: Sparse sphalerite and galena in scattered quartz-carbonate-pyrite veins occur in intensely faulted limestone, argillite, and quartzite of the Atan Formation.
WORK DONE: Diamond drilling, 4 BQ holes, totalling 500 metres; and geochemical survey, 775 soil samples analysed for silver and cadmium, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 323.

TATSHENSHINI RIVER 114P

HUMBIRD (Fig. E-1, NTS 114, No. 157)

LOCATION: Lat. 59° 43′ Long. 136° 58′ (114P/10W)
ATLIN M.D. Fourteen kilometres east of Tatshenshini River, on a westerly flowing tributary of Shini Creek.
CLAIMS: HUM BIRD 1 to 31, 33 to 41.

(114P/12E)

OWNER: D.W. STREET FINANCIAL SERVICES LTD., 647 Lake Linnet Crescent SE, Calgary, Alberta.

METALS: Silver, copper, lead, zinc.

DESCRIPTION: Replacement and vein-type occurrences of tetrahedrite, galena, sphalerite, chalcopyrite, and pyrite mineralization are contained in silicified and carbonatized limestone and sericite schist. These rocks have been folded, faulted, and locally intruded by diorite. Six mineralized zones basically along a strike length of 3 500 metres are known.

WORK DONE: Surface geological mapping, 1:27 778, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 200; 1977, p. E 247; Geological Fieldwork, 1977, Paper 1978–1, p. 71; Assessment Report 8653; Mineral Inventory 114P-18, 24, 25, 26.

WINDY–CRAGGY (Fig. E-1, NTS 114, No. 158)

LOCATION: Lat. 59° 43′ Long. 137° 44′ (114P/12E)
ATLIN M.D. Twenty-four kilometres north of the junction of Alsek and Tatshenshini Rivers.

CLAIMS: WINDY 1 to 8, CRAGGY 1, 2, 4 and WC 1 (20 units), WC 2 (4 units), WC 3 (20 units).

OWNER: FALCONBRIDGE NICKEL MINES LTD., 700, 1112 West Pender Street, Vancouver V6E 2S1.

METAL: Copper.

DESCRIPTION: Greenschist facies tholeiitic pillow flow rocks (Devonian ?) are conformably overlain by black, marine, carbonaceous shales and siltstones. Massive sulphides consisting of pyrrhotite, minor pyrite, chalcopyrite, and sphalerite occur at the contact zone.

WORK DONE: 1979 and 1980 – geological mapping, 1:2 500, and topographic mapping, 10.36 square kilometres, covering all claims.

REFERENCES: *B.C. Ministry of Energy, Mines and Pet. Res.*, Exploration in B.C., 1975, p. E 196; Assessment Reports 5608, 8118; Mineral Inventory 114P-2.

MUS (Fig. E-1, NTS 114, No. 187)

LOCATION: Lat. 59° 44′ Long. 137° 32′ (114P/12E)
ATLIN M.D. St. Elias Mountains, covering the East Arm Glacier draining into the Henshi Creek valley.

CLAIMS: I, J, K, L, M, N, P, Q (totalling 122 units).

OWNER: SWISS ALUMINIUM MINING CO. OF CANADA LTD., 920, 505 Burrard Street, Vancouver.

DESCRIPTION: An assemblage of marine volcanic and sedimentary rocks (Early Paleozoic ? age) are intruded by undifferentiated series of plutonic rocks of probably Late Paleozoic to Tertiary age. Pyrite, pyrrhotite, and chalcopyrite are found in boulders on the property, and in various parts of the region.

WORK DONE: Surface geological mapping, 1:25 000, covering all claims; gravity surveying, 10.8 kilometres, and topographic surveying, 10.8 kilometres, covering, I, J, K, L, M, N, P.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 196; Assessment Reports 5841, 9516.

STRUCTURAL MATERIALS AND INDUSTRIAL MINERALS EXPLORATION

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REVIEW OF EXPLORATION ON NON–METALLIC MINERAL DEPOSITS

By Z. D. Hora

Non-metallic minerals exploration increased in 1980 to $1.5 million. The major project was one for fluorite at Eaglet Mines Ltd. near Quesnel Lake. An adit was driven 359 metres and

1 659 metres of surface diamond drilling and 2 228 metres of underground drilling were conducted on a large low-grade fluorite deposit. In addition, Baymag Mines Co. Ltd. carried out surface stripping and bulk sampling of the Mount Brussilof magnesite deposit in the southern Rocky Mountains near Windermere.

REPORTS ON EXPLORATION OF NON–METALLIC COMMODITIES

ASBESTOS

MALO, JOGI (Fig. E-1, NTS 82, No. 318)

LOCATION:	Lat. 50° 32′ Long. 118° 28′ (82L/9W) VERNON M.D. Twenty-one kilometres east-southeast of Kingfisher, 2.5 kilometres northwest of the junction of Star Creek and Shuswap River.
CLAIMS:	MALO, JOGI (2 units each).
OWNERS:	N. ANDERSON, Box 189, Winfield V0H 2C0 and G. DESBIENS, Box 165, Winfield V0H 2C0.
DESCRIPTION:	A tremolite asbestos zone occurs in Monashee Group schists of Proterozoic age.
WORK DONE:	Pits, 1.82 metres by 0.914 metre by 1.82 metres; and drilling, 4 holes, 3.048 metres each, covering both claims.

ELCO, SEYWERD (Fig. E-1, NTS 104, No. 73)

LOCATION:	Lat. 58° 46′ Long. 130° 05′ (104J/16E) LIARD M.D. On the east side of the north end of Dease Lake, 2 kilometres southeast of Sawmill Point, on Seyward Creek.
CLAIMS:	ELCO I, II, 3 to 6, SEYWERD 2 (20 units).
OWNER:	CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.
DESCRIPTION:	Short chrysotile asbestos veinlets occur in sheared serpentine bodies.
WORK DONE:	Prospecting and linecutting, 18 540 metres, covering all claims; trenching, 1 970 metres, on Elco I, II, 4, 6 and Seywerd 2.

ZUS MOUNTAIN (BEN, NOVA) (Fig. E-1, NTS 104, No. 147)

LOCATION:	Lat. 59° 24′ Long. 129° 45′ (104P/5) LIARD M.D. Approximately 15 kilometres north-northeast of Cassiar, 6 kilometres north of Zus Mountain.
CLAIMS:	TANYA 1 (8 units), TANYA 2 (10 units), TANYA 3 (20 units), TANYA 4 (16 units), TANYA 5, 7, and 8 (20 units each).
OWNER:	CASSIAR RESOURCES LTD., 2000, 1055 West Hastings Street, Vancouver V6E 3V3.
DESCRIPTION:	The claims are near the central portion of a narrow, northwest-trending belt of ultramafic rocks which intrude Devono-Mississippian greenstones and

sedimentary rocks of the Sylvester Group. The ultramafic rocks are serpentinized and contain chrysotile.

WORK DONE: Geological mapping, 1:5000, on Tanya 1-5.

REFERENCES: Mineral Inventory 104P-2; *Minister of Mines, B.C.*, Ann. Rept., 1965, p. 257; Assessment Reports 702, 1103, 8607.

CASSIAR ASBESTOS MINE (Fig. E-1, NTS 104, No. 186)

LOCATION: Lat. 59° 20' Long. 129° 47' (104P/5W)
LIARD M.D. Approximately 5 kilometres due north of Cassiar, approximately 3 kilometres southwest of Zus Mountain.

CLAIMS: FRED 1 (12 units), FRED 2 (8 units), FRED 3 (18 units), FRED 4 (12 units).

OWNER: BRINCO MINING LTD. (CASSIAR RESOURCES DIVISION), General Delivery, Cassiar.

DESCRIPTION: Drilling indicates a continuous body of chrysotile fibre south of a shear zone.

WORK DONE: Underground diamond drilling, 626.5 metres NQ and 175.4 metres BQ, on all claims.

REFERENCES: Mineral Inventory 104P-5; Assessment Report 9525.

GOLDEN VIEW, HELI, COPTER (Fig. E-1, NTS 104, No. 109)

LOCATION: Lat. 59° 32' Long. 133° 34' (104N/12E)
Report on this property in Metals section 104N/12E.

BARITE

DAVE, SANDY (Fig. E-1, NTS 82, No. 147)

LOCATION: Lat. 49° 32' Long. 116° 40' (82F/10E, 7E)
Report on this property in Metals section 82F/10E, 7E.

TAMARACK (Fig. E-1, NTS 82, No. 180)

LOCATION: Lat. 49° 47.5' Long. 117° 24' (82F/14W)
Report on this property in Metals section 82F/14W.

CHRIS (Fig. E-1, NTS 82, No. 218)

LOCATION: Lat. 49° 50' Long. 115° 52.5' (82G/13W)
FORT STEELE M.D. Approximately 18 kilometres north-northeast of Kimberley close to northwest tip of Lost Dog Lake (straddles road).

CLAIMS: CHRIS 1 to 4 (1 unit each).

OWNER: Gerald Mason.

OPERATOR: DYNAMIC DRILLING FLUIDS LTD., 818, 703 Sixth Avenue SW, Calgary, Alberta T2P 0T9.

DESCRIPTION: Barite is found in argillaceous limestone of the Kitchener Formation which overlies argillites of the Creston Formation.

WORK DONE: 1979 and 1980 – gravity survey, 1.6 kilometres, covering Chris 1-4.
REFERENCE: Assessment Report 8793.

BBX (Fig. E-1, NTS 82, No. 219)

LOCATION: Lat. 49° 59.5 Long. 115° 52.5' (82G/13W)
FORT STEELE M.D. Approximately 6 kilometres west of Torrent on Sandown Creek, 2 kilometres north of its junction with Skookumchuk Creek.
CLAIM: BBX (12 units).
OWNER: G. Mason.
OPERATOR: DYNAMIC DRILLING FLUIDS LTD., 818, 703 Sixth Avenue SW., Calgary, Alberta T2P 0T9.
DESCRIPTION: A bedded sedimentary barite deposit and a hydrothermal barite vein occur within the Dutch Creek Formation of Precambrian age. The bedding dips 45 degrees northeasterly and the vein dips 85 degrees northwesterly.
WORK DONE: 1979 and 1980 – linecutting, 5.5 kilometres; topographical survey, ground magnetometer survey, and gravity survey, each approximately 600 metres, covering BBX.
REFERENCES: Assessment Reports 6886, 8794; Mineral Inventory 82G/NW-52.

HOMESTAKE (Fig. E-1, NTS 82, No. 330)

LOCATION: Lat. 51° 07' Long. 119° 51' (82M/4W)
Report on this property in Metals section, NTS 82M.

TWIN MOUNTAIN (Fig. E-1, NTS 82, No. 332)

LOCATION: Lat. 51° 07.5' Long. 119° 47' (82M/4W)
Report on this property in Metals section, NTS 82M.

LENORA, TYEE, RICHARD III (TWIN J), QUEEN BEE (Fig. E-1, NTS 92, No. 12)

LOCATION: Lat. 48° 52' Long. 123° 47' (92B/13)
Report on this property in Metals section 92B/13.

LEADVILLE (COMSTOCK, LUCKY, TODD) (Fig. E-1, NTS 92, No. 210)

LOCATION: Lat. 50° 02.5' Long. 120° 44' (92I/2)
Report on this property in Metals section 92I/2.

COVE (Fig. E-1, NTS 92, No. 384)

LOCATION: Lat. 50° 37.5' Long. 127° 32' (92L/12E)
NANAIMO M.D. Eleven kilometres south of Port Hardy and 4 kilometres east of Coal Harbour, just west of Frances Lake.
CLAIMS: COIR 1 to 4 (4 units), BAY 54 to 57 (4 units), BAY 96 to 100 (5 units), BOB 1, 2 (2 units), BAY 81 to 85, 87, 88 (7 units), BEN Fraction, BEN 1 Fraction, KOL 25, KOL 26, KOL 9 Fraction, COVE 19 (6 units).

OWNERS: Utah Mines Ltd. and G. Milbourne.
OPERATOR: UTAH MINES LTD., Box 370, Port Hardy.
DESCRIPTION: Drilling penetrated relatively unaltered blue-green lapilli tuff.
WORK DONE: Diamond drilling, 2 NQ holes, totalling 230.7 metres, on Coir 4.
REFERENCES: Mineral Inventory 92L-99, 134-139, 158; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 191; Assessment Reports 7427, 8150.

WINDPASS (Fig. E-1, NTS 92, No. 431)

LOCATION: Lat. 51° 26′ Long. 120° 05′ (92P/8E)
Report on this property in Metals section 92P/8E.

NIFTY, THUNDER (Fig. E-1, NTS 93, No. 29)

LOCATION: Lat. 52° 35′ Long. 126° 25′ (93D/9W)
Report on this property in Metals section 93D/9W.

MESS (Fig. E-1, NTS 94, No. 93)

LOCATION: Lat. 57° 04.5′ Long. 126° 38.5′ (94E/2E)
Report on this property in Metals section 94E/2E.

ELIZABETH, MOLLY, GWYNN (Fig. E-1, NTS 94, No. 5)

LOCATION: Lat. 56° 08′ Long. 124° 55′ (94C/2W)
OMINECA M.D. Approximately 43 kilometres north of Germansen Landing, immediately south of Osilinka River; End Lake is approximately 4 kilometres east of claims.
CLAIMS: ALFIE 1 (15 units), ALFIE 2 (6 units), ALFIE 3 and 4 (20 units each).
OWNER: PLACER DEVELOPMENT LTD., 700, 1030 West Georgia Street, Vancouver.
DESCRIPTION: Brecciated limestone cemented by quartz, shale, and mudstone interbedded with sandstone (Ordovician to Middle Devonian ?) are folded and faulted. Scattered galena, sphalerite, and barite occur in carbonate breccias and quartzite. The mineralization is spatially related to faulting.
WORK DONE: Geological mapping, 1:5000; and geochemical survey, 1 020 soil and 64 rock samples analysed for zinc, lead, cadmium, silver, and mercury, on all claims.
REFERENCES: Mineral Inventory 94C-30-33; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 168; 1977, p. E 211; Assessment Reports 1554, 5937, 6485, 8324.

CT (Fig. E-1, NTS 94, No. 109)

LOCATION: Lat. 57° 07′ Long. 124° 16.5′ (94F/1W)
Report on this property in Metals section 94F/1W.

WEDGE (PESIKA) (Fig. E-1, NTS 94, No. 46)

LOCATION: Lat. 57° 08′ Long. 124° 25′ (94F/1W)
Report on this property in Metals section 94F/1W.

GIN (Fig. E-1, NTS 94, No. 47)

LOCATION: Lat. 57° 11′ Long. 124° 31′ (94F/1W, 2E)
OMINECA M.D. Approximately 73 kilometres southeast of Ware, 24 kilometres southwest of Sikanni Chief Lake, near the headwaters of Pesika Creek.

CLAIMS: GIN 1 (12 units), GIN 2 and 3 (20 units each), GIN 4 (12 units), GIN 5 (20 units).

OWNER: CYPRUS ANVIL MINING CORP., 330, 355 Burrard Street, Vancouver.

DESCRIPTION: Gunsteel Formation (Upper Devonian) is part of Lower Devonian to Mississippian sedimentary sequence which unconformably overlies a Silurian siltstone and is structurally overlain by Cambrian to Silurian sequences. Gunsteel is carbonaceous shale, porcellanite, and chert and is host to barite-sulphide mineralization.

WORK DONE: Geochemical survey, 2 850 soil samples analysed for lead, zinc, and barium, on all claims.

REFERENCES: Mineral Inventory 94F-17; Assessment Report 8369.

AKI (Fig. E-1, NTS 94, No. 48)

LOCATION: Lat. 57° 13′ Long. 124° 30′ (94F/1W, 2E)
Report on this property in Metals section 94F/1W, 2E.

ERN (Fig. E-1, NTS 94, No. 108)

LOCATION: Lat. 57° 06.5′ Long. 124° 34′ (94F/2E)
Report on this property in Metals section 94F/2E.

GNOME (Fig. E-1, NTS 94, No. 50)

LOCATION: Lat. 57° 15′ Long. 124° 35′ (94F/2E, 7E)
Report on this property in Metals section 94F/2E, 7E.

PELLY (Fig. E-1, NTS 94, No. 49)

LOCATION: Lat. 57° 16′ Long. 124° 43′ (94F/2E, 7E)
Report on this property in Metals section 94F/2E, 7E.

PIE (Fig. E-1, NTS 94, No. 51)

LOCATION: Lat. 57° 28′ Long. 125° 00′ (94F/6E, 7W)
Report on this property in Metals section 94F/6E, 7W.

CIRQUE (Fig. E-1, NTS 94, No. 52)

LOCATION: Lat. 57° 30′ Long. 125° 10′ (94F/6E, 11E)
Report on this property in Metals section 94F/6E, 11E.

ELF (Fig. E-1, NTS 94, No. 53)

LOCATION: Lat. 57° 19′ Long. 124° 42′ (94F/7)
Report on this property in Metals section 94F/7.

DOG (Fig. E-1, NTS 94, No. 55)

LOCATION: Lat. 57° 22' Long. 124° 51' (94F/7W)
OMINECA M.D. Approximately 50 kilometres east-southeast from Ware with Okie River flowing immediately south from the property.

CLAIMS: DOG 1 and 2 (8 units each), DOG 4 to 6 (6 units each), DOG 7 (2 units), DOG 8 (20 units), DOG 9 (8 units), DOG 10 and 11 (6 units each).

OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

DESCRIPTION: The property is underlain by Ordovician-Silurian Road River Formation and the successive Devonian Kwadacha limestone, Akie shales, Gunsteel shales, and Warneford black leucocratic shales, quartzite, and polymictic conglomerate. The rocks are in the overturned limb of a major syncline with a syncline-anticline couple as the dominant structure on the property.

WORK DONE: 1979 – geological mapping, 1:50 000, on Dog 1, 2, 4-8; and geochemical survey, 51 soil samples analysed for copper, lead, and zinc, on Dog 1, 2, and 4; 1980 – geological mapping, 1:10 000, on all claims.

REFERENCES: Mineral Inventory 94F-12; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 327; Assessment Reports 7318, 7967, 8673.

FLUKE (Fig. E-1, NTS 94, No. 56)

LOCATION: Lat. 57° 24' Long. 124° 55' (94F/7W)
Report on this property in Metals section 94F/7W.

AIKIE (Fig. E-1, NTS 94, No. 54)

LOCATION: Lat. 57° 26' Long. 124° 40' (94F/7E)
Report on this property in Metals section 94F/7E.

SUB (Fig. E-1, NTS 94, No. 58)

LOCATION: Lat. 57° 35' Long. 125° 00' (94F/10W, 11E)
Report on this property in Metals section 94F/10W, 11E.

YULE (Fig. E-1, NTS 94, No. 61)

LOCATION: Lat. 57° 34' Long. 125° 12' (94F/11)
OMINECA M.D. Approximately 20 kilometres southwest of the west end of Chesterfield Lake.

CLAIMS: YULE 1 (9 units), YULE 2 (15 units), YULE 3 (2 units), YULE 4 (18 units), YULE 5 (4 units), YULE 6 (12 units), YULE 7 (15 units), YULE 8 (6 units), YULE 9 (18 units), YULE 10 (20 units), YULE 11 (9 units), YULE 12 (3 units), YULE 13 (20 units), YULE 14 (6 units).

OWNER: RIO TINTO CANADIAN EXPLORATION LTD., 520, 800 West Pender Street, Vancouver V6C 2V6.

DESCRIPTION: The property is underlain by mainly fine-grained clastic rocks of Ordovician to Devonian age. Southwest-dipping thrust faults have sliced the rocks into a series of narrow northwest-southeast belts.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 2 703 soil samples analysed for silver, lead, and zinc, on Yule 1-4; ground electromagnetic survey, 3 kilometres, on Yule 6 and 10.

REFERENCES: Mineral Inventory 94F-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 328; Assessment Reports 7747, 8608.

KWAD (Fig. E-1, NTS 94, No. 62)

LOCATION: Lat. 57° 38′ Long. 125° 15′ (94F/11)
Report on this property in Metals section 94F/11.

FERN (Fig. E-1, NTS 94, No. 60)

LOCATION: Lat. 57° 32′ Long. 125° 08′ (94F/11E)
Report on this property in Metals section 94F/11E.

RIDGE (Fig. E-1, NTS 94, No. 59)

LOCATION: Lat. 57° 33′ Long. 125° 08′ (94F/11E)
Report on this property in Metals section 94F/11E.

WINDY (Fig. E-1, NTS 94, No. 66)

LOCATION: Lat. 57° 55′ Long. 125° 45′ (94F/13)
Report on this property in Metals section 94F/13.

SPA (Fig. E-1, NTS 94, No. 65)

LOCATION: Lat. 57° 58′ Long. 125° 45′ (94F/13)
Report on this property in Metals section 94F/13.

BEAR (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 68)

LOCATION: Lat. 57° 58′ Long. 125° 48′ (94F/13W)
Report on this property in Metals section 94F/13W.

FOX (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 111)

LOCATION: Lat. 58° 00′ Long. 125° 48′ (94F/13W; 94K/4W)
Report on this property in Metals section 94F/13W.

PORKY (Fig. E-1, NTS 94, No. 64)

LOCATION: Lat. 57° 51′ Long. 125° 33′ (94F/13E)
Report on this property in Metals section 94F/13E.

TREE (Fig. E-1, NTS 94, No. 70)

LOCATION: Lat. 57° 49′ Long. 125° 28′ (94F/14W)
Report on this property in Metals section 94F/14W.

P, D, (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 73)

LOCATION: Lat. 58° 04′ Long. 125° 55′ (94K/4W)
Report on this property in Metals section 94K/4W.

SAINT (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 113)

LOCATION: Lat. 58° 07′ Long. 125° 58′ (94K/4W)
Report on this property in Metals section 94K/4W.

ROEN (Fig. E-1, NTS 94, No. 74)

LOCATION: Lat. 58° 07.5′ Long. 126° 00′ (94K/4W, 94L/1E)
Report on this property in Metals section 94K/4W.

BOB (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 114)

LOCATION: Lat. 58° 00′ Long. 125° 50′ (94K/4W; 94F/13W)
Report on this property in Metals section 94K/4W.

CTV (Fig. E-1, NTS 94, No. 75)

LOCATION: Lat. 58° 25′ Long. 124° 23′ (94K/8W)
Report on this property in Metals section 94K/8W.

X (Fig. E-1, NTS 94, No. 76)

LOCATION: Lat. 58° 12′ Long. 126° 08′ (94L/1E)
Report on this property in Metals section 94L/1E.

ROUGH (Fig. E-1, NTS 94, No. 78)

LOCATION: Lat. 58° 17′ Long. 126° 10′ (94L/8E)
Report on this property in Metals section 94L/8E.

MOOSE, BEAR (Fig. E-1, NTS 94, No. 115)

LOCATION: Lat. 59° 46′ Long. 127° 14′ (94M/11W, 14)
LIARD M.D. Approximately 24 kilometres south of the British Columbia-Yukon border, 4.5 kilometres southeast of Hillgren Lakes.
CLAIMS: MOOSE 1 to 24, MOOSE 27, MOOSE 2 Fraction, MOOSE 15 Fraction, BEAVER 2 to 14, BEAVER Fraction 4, BEAVER 10 Fraction, DEER 1 to 6, BEAR 1 to 7.
OWNER: DRESSER INDUSTRIES LTD., Rosalind, Alberta.
WORK DONE: Feasibility study; and topographical survey, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 540; Assessment Reports 767, 9052; Mineral Inventory 94M-3.

WORK DONE: Geological mapping, 1:10 000; and geochemical survey, 2 703 soil samples analysed for silver, lead, and zinc, on Yule 1-4; ground electromagnetic survey, 3 kilometres, on Yule 6 and 10.

REFERENCES: Mineral Inventory 94F-13; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 328; Assessment Reports 7747, 8608.

KWAD (Fig. E-1, NTS 94, No. 62)

LOCATION: Lat. 57° 38′ Long. 125° 15′ (94F/11)
Report on this property in Metals section 94F/11.

FERN (Fig. E-1, NTS 94, No. 60)

LOCATION: Lat. 57° 32′ Long. 125° 08′ (94F/11E)
Report on this property in Metals section 94F/11E.

RIDGE (Fig. E-1, NTS 94, No. 59)

LOCATION: Lat. 57° 33′ Long. 125° 08′ (94F/11E)
Report on this property in Metals section 94F/11E.

WINDY (Fig. E-1, NTS 94, No. 66)

LOCATION: Lat. 57° 55′ Long. 125° 45′ (94F/13)
Report on this property in Metals section 94F/13.

SPA (Fig. E-1, NTS 94, No. 65)

LOCATION: Lat. 57° 58′ Long. 125° 45′ (94F/13)
Report on this property in Metals section 94F/13.

BEAR (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 68)

LOCATION: Lat. 57° 58′ Long. 125° 48′ (94F/13W)
Report on this property in Metals section 94F/13W.

FOX (GATAGA JOINT VENTURE) (Fig. E-1, NTS 94, No. 111)

LOCATION: Lat. 58° 00′ Long. 125° 48′ (94F/13W; 94K/4W)
Report on this property in Metals section 94F/13W.

PORKY (Fig. E-1, NTS 94, No. 64)

LOCATION: Lat. 57° 51′ Long. 125° 33′ (94F/13E)
Report on this property in Metals section 94F/13E.

TREE (Fig. E-1, NTS 94, No. 70)

LOCATION: Lat. 57° 49′ Long. 125° 28′ (94F/14W)
Report on this property in Metals section 94F/14W.

P, D, (GATAGA JOINT VENTURE) **(Fig. E-1, NTS 94, No. 73)**

LOCATION: Lat. 58° 04′ Long. 125° 55′ (94K/4W)
Report on this property in Metals section 94K/4W.

SAINT (GATAGA JOINT VENTURE) **(Fig. E-1, NTS 94, No. 113)**

LOCATION: Lat. 58° 07′ Long. 125° 58′ (94K/4W)
Report on this property in Metals section 94K/4W.

ROEN **(Fig. E-1, NTS 94, No. 74)**

LOCATION: Lat. 58° 07.5′ Long. 126° 00′ (94K/4W, 94L/1E)
Report on this property in Metals section 94K/4W.

BOB (GATAGA JOINT VENTURE) **(Fig. E-1, NTS 94, No. 114)**

LOCATION: Lat. 58° 00′ Long. 125° 50′ (94K/4W; 94F/13W)
Report on this property in Metals section 94K/4W.

CTV **(Fig. E-1, NTS 94, No. 75)**

LOCATION: Lat. 58° 25′ Long. 124° 23′ (94K/8W)
Report on this property in Metals section 94K/8W.

X **(Fig. E-1, NTS 94, No. 76)**

LOCATION: Lat. 58° 12′ Long. 126° 08′ (94L/1E)
Report on this property in Metals section 94L/1E.

ROUGH **(Fig. E-1, NTS 94, No. 78)**

LOCATION: Lat. 58° 17′ Long. 126° 10′ (94L/8E)
Report on this property in Metals section 94L/8E.

MOOSE, BEAR **(Fig. E-1, NTS 94, No. 115)**

LOCATION: Lat. 59° 46′ Long. 127° 14′ (94M/11W, 14)
LIARD M.D. Approximately 24 kilometres south of the British Columbia-Yukon border, 4.5 kilometres southeast of Hillgren Lakes.
CLAIMS: MOOSE 1 to 24, MOOSE 27, MOOSE 2 Fraction, MOOSE 15 Fraction, BEAVER 2 to 14, BEAVER Fraction 4, BEAVER 10 Fraction, DEER 1 to 6, BEAR 1 to 7.
OWNER: DRESSER INDUSTRIES LTD., Rosalind, Alberta.
WORK DONE: Feasibility study; and topographical survey, on all claims.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, p. 540; Assessment Reports 767, 9052; Mineral Inventory 94M-3.

COPPER BAY, IXL (Fig. E-1, NTS 103, No. 42)

LOCATION: Lat. 53° 12′ Long. 131° 42′ (103G/4W)
Report on this property in Metals section 103G/4W.

INDEPENDENCE (Fig. E-1, NTS 104, No. 160)

LOCATION: Lat. 56° 05′ Long. 129° 55′ (104A/4W)
Report on this property in Metals section 104A/4W.

MOUNTAIN BOY, AMERICAN GIRL, LUCKY JIM (Fig. E-1, NTS 104, No. 4)

LOCATION: Lat. 56° 09′ Long. 129° 55′ (104A/4W)
Report on this property in Metals section 104A/4W.

SILBAK PREMIER (Fig. E-1, NTS 104, No. 8)

LOCATION: Lat. 56° 03′ Long. 130° 01′ (104B/1E)
Report on this property in Metals section 104B/1E.

DALY, CUMBERLAND (Fig. E-1, NTS 104, No. 154)

LOCATION: Lat. 56° 29′ Long. 130° 26′ (104B/8W)
Report on this property in Metals section 104B/8W.

SF, NUTTLUDE LAKE (Fig. E-1, NTS 104, No. 40)

LOCATION: Lat. 57° 42.5′ Long. 130° 17′ (104G/9W)
Report on this property in Metals section 104G/9W.

CHROMIUM

WINNIFRED (Fig. E-1, NTS 92, No. 429)

LOCATION: Lat. 51° 07′ Long. 121° 28′ (92P/3W)
CLINTON M.D. Approximately 8 kilometres east-northeast from Clinton, with the Bonaparte River flowing through the property.

CLAIMS: MIKA (6 units), MIKA 2 (20 units), MIKA 3 (9 units), MIKA 4 (4 units).

OWNER: CAMPBELL RESOURCES INC., A-105, 355 Burrard Street, Vancouver V6C 2G6.

DESCRIPTION: The claims are underlain by Permian Cache Creek Group metavolcanic and metasedimentary rocks intruded by ultramafite which has been subdivided into moderately to highly serpentinized peridotites, dunites, and pyroxenites. These are overlain by Tertiary olivine plateau basalts.

WORK DONE: 1979 – geological mapping, 1:2000; linecutting, 7 kilometres; and geochemical survey, 194 soil and 30 rock samples analysed for copper, on all claims; 1980 – geological mapping, 1:2500; and geochemical survey, 418 soil samples analysed for copper, on Mika 2 and 4.

REFERENCES: Mineral Inventory 92P-51, 52, 82, 90; Assessment Reports 197, 1146, 8111, 8677.

DOLOMITE

MC (Fig. E-1, NTS 92, No. 99)

LOCATION: Lat. 49° 37′ Long. 123° 52′ (92G/12W)
VANCOUVER M.D. Four kilometres west of the junction of Sechelt Inlet and Salmon Inlet, 1 kilometre north of Carlson Lake.
CLAIM: PLAIN (16 units).
OWNER: R. C. RIEPE, 8744 Joffre Avenue, Burnaby V5E 3L7.
DESCRIPTION: A sunken block of carbonate and volcanic rocks in the Coast Range Plutonic Complex contains partly banded limestone and dolomite.
WORK DONE: Road building, 1 kilometre.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 119; 1978, p. E 286 (MC); Mineral Inventory 92G/NW-35.

FLUORITE

REDBIRD (Fig. E-1, NTS 92, No. 242)

LOCATION: Lat. 50° 23′ Long. 120° 23′ (92I/8W)
Two kilometres north of Stump Lake, 1 kilometre southwest of Kullagh Lake.
CLAIMS: REDBIRD 2, 3.
OWNER: W. HUXLEY, 525 Huxley Place, Kamloops V2B 5E6.
DESCRIPTION: Zone fluorites and quartz veins varying in width from 2 centimetres to 12 centimetres along a south variably dipping fault zone in andesites of the Nicola Group.
WORK DONE: Drilling and blasting, 11 holes, 3.8 centimetres by 2.43 metres, spaced 1 metre apart and trenching, 20 metres by 1 metre by 1 metre.
REFERENCES: Mineral Inventory 92I/SE-179, *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 202; 1978, p. E 287.

EAGLET (Fig. E-1, NTS 93, No. 5)

LOCATION: Lat. 52° 34′ Long. 121° 00′ (93A/10W, 11E)
Claims border the eastern edge of the north arm of Quesnel Lake; the western tip of Wasko Lakes cuts into the south-central portion of the claims.
CLAIMS: WASKO, EAGLET (20 units each).
OWNER: EAGLET MINES LTD., Box 11107, Royal Centre, 1400, 1055 West Georgia Street, Vancouver V6E 3P3.
DESCRIPTION: Extensive low-grade fluorite mineralization occurs in metasedimentary rocks, especially a granite gneiss zone dipping 40 degrees northwesterly, and bounded by thick beds of biotite gneiss.
WORK DONE: Underground development, 359 metres; and underground drilling, 9 AQ holes, totalling 2 228 metres, on Eaglet; diamond drilling, 8 BQ holes, totalling 1 431.36 metres, on Wasko.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1975, p. E 199; Assessment Reports 5639, 9515; Mineral Inventory 93A-46.

GYPSUM

UNITED (Fig. E-1, NTS 82, No. 216)

LOCATION: Lat. 50° 00′ Long. 115° 31′ (82G/13E; 82J/4E)
FORT STEELE M.D. Upper Lussier River valley, approximately 47 kilometres northeast of Kimberley.

CLAIMS: NEW LUSS 1 (2 units), NEW LUSS 2 (2 units), LUSS 3 (3 units), LUSS 4 (3 units), LUSS 5 (4 units), LUSS 6 (9 units).

OWNER: B. Korun.

OPERATOR: TRUROC GYPSUM PRODUCTS LTD., 901, 8215–112th Street, Edmonton, Alberta T6G 2L9.

DESCRIPTION: Gypsum is found outcropping over an extensive area on the east side of the Lussier River. In addition, the presence of numerous active and inactive karst sink holes on both sides of the property indicates a gypsum horizon relatively near the surface. The gypsum cliff along the Lussier River reveals a thickness exceeding 30 metres. The gypsum occurs within limestone, shale, and silty limestone of Devonian age.

WORK DONE: Geological mapping, 1:13 480; and diamond drilling, 11 holes, totalling 263 metres, on all claims.

REFERENCES: Assessment Report 8076; Mineral Inventory 82J/SW-9.

WINDERMERE (Fig. E-1, NTS 82, No. 224)

LOCATION: Lat. 50° 30′ Long. 115° 55′ (82J/5W)
Approximately 9 kilometres northeast of the townsite of Windermere; the claims lie along Windermere Creek for approximately 4.4 kilometres.

CLAIMS: CREEK 1 to 10, ELKHORN 2 to 15, BLUE SHIST (Lot 16186), BLUE BERRY (Lot 16187), BLUE BOTTLE (Lot 16188), ELKHORN (Lot 16230).

OWNER: WESTROC INDUSTRIES LTD., 2650 Lakeshore Road West, Mississauga, Ontario L5J 1K4.

DESCRIPTION: Gypsum deposit in tabular form varying in thickness from 12 metres to 70 metres paralleling the southward slope of Windermere Creek valley. Updip it terminates at a buff-coloured massive to thinly bedded limestone. Underlying the deposit is a sequence mainly of anhydrite with some intermixed limestone and anhydrite.

WORK DONE: Diamond drilling, 17 BQ holes, totaling 884.45 metres, on Elkhorn, Elkhorn 2, and Blue Bottle; 2 NQ holes, totalling 61 metres, on Elkhorn 2.

REFERENCES: Mineral Inventory 82J/SW-21; *Minister of Mines, B.C.*, Ann. Rept., 1950, p. A 221; Assessment Reports 8159, 8974.

WESTERN GYPSUM LTD. (Fig. E-1, NTS 82, No. 226)

LOCATION: Lat. 50° 30.5′ Long. 115° 54.5′ (82J/12W)
Seven kilometres northeast of the community of Windermere and 1 kilometre north of Windermere Creek, just east of Swansea Mountain.

CLAIM: BLUE GOOSE (Lot 16176).

OWNER: WESTROC INDUSTRIES LTD., 2650 Lakeshore Road West, Mississauga, Ontario L5J 1K4.

DESCRIPTION: Drilling intersected gypsum and anhydrite under light overburden.
WORK DONE: Diamond drilling, 5 holes, totalling 177 metres, on Blue Goose.
REFERENCES: Mineral Inventory 82J/NW-6; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 379; Assessment Report 8158.

BOLEAN (Fig. E-1, NTS 82, No. 320)

LOCATION: Lat. 50° 32′ Long. 119° 34′ (82L/12E)
Report on this property in Metals section 82L/12E.

LOUIS CREEK (Fig. E-1, NTS 92, No. 423)

LOCATION: Lat. 51° 07′ Long. 120° 08′ (92P/1E)
Eight kilometres south of Barriere, just northeast of the junction of Oliver Creek and North Thompson River.
CLAIM: ASIAN DIVIDE (9 units).
OWNERS: H. REID and N. STEPHANISHIN, 4, 110 Columbia Street, Kamloops V2C 2S8.
DESCRIPTION: The claims are underlain by slates, argillites, schists, and phyllites of the Cache Creek Group.
WORK DONE: Geological mapping, 1:5000.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1922, p. 153; Mineral Inventory 92P-81; Assessment Report 9559.

CLINTON (Fig. E-1, NTS 92, No. 430)

LOCATION: Lat. 51° 04′ Long. 121° 35′ (92P/4)
CLINTON M.D. The Ada B and Clifford claims are located 2 kilometres south, the Cal Lime claim lies 3 kilometres to the southwest, and the DMH claims are located at Kelly Lake, 17 kilometres southwest of Clinton.
CLAIMS: CAL LIME (1 unit), JTM 1 to 8 (8 units), MRS 1 to 8 (8 units), DMH 1, 2 (2 units), ADA B (Lot 4792), CLIFFORD (Lot 4791).
OWNER: R. E. Hurley.
OPERATOR: MONITOR RESOURCES LTD., 20037, 37A Avenue, Langley.
DESCRIPTION: An epsom deposit occurs as a residual evaporite in a dry lake bed. Gypsum occurs in limestone of the Cache Creek Group (Permian) as does the tufa-travertine deposit.
WORK DONE: 1979 – prospecting in three separate areas near Clinton.
REFERENCES: Assessment Report 8051; Mineral Inventory 92P-69, 79, 80.

LIMESTONE

CHRIS (Fig. E-1, NTS 92, No. 58)

LOCATION: Lat. 49° 03′ Long. 125° 11.5′ (92F/3E)
Report on this property in Metals section 92F/3E.

PORT McNEILL (Fig. E-1, NTS 92, No. 356)

LOCATION: Lat. 50° 33.3' Long. 127° 03' (92L/11E)
NANAIMO M.D. Approximately 3.5 kilometres south-southeast of Port McNeill on northern Vancouver Island, just south of Hyde Creek.
CLAIMS: IMA 4 and 5 (2 units).
OWNER: D. F. Gunning.
OPERATOR: INTERNATIONAL MARBLE AND STONE CO. LTD., 5809 MacLeod Trail South, Calgary, Alberta T2H 0J9.
DESCRIPTION: Drilling intersected limestone.
WORK DONE: Diamond drilling, 12 AQ holes, totalling 500 metres, on both claims.
REFERENCES: Mineral Inventory 92L-282; *Minister of Mines, B.C.*, Ann. Rept. 1968, p. 315; Assessment Report 8082.

FOX (Fig. E-1, NTS 92, No. 368)

LOCATION: Lat. 50° 37' Long. 127° 56' (92L/12W)
Northern Vancouver Island, on the south shore of Holberg Inlet, covering Glerup Creek.
CLAIMS: FOX 1 to 3 (3 units), FOX 4 to 20 (17 units), JOY 1 (4 units), JOY 2 (2 units).
OWNER: WORLD CEMENT INDUSTRIES INC., 915, 470 Granville Street, Vancouver.
DESCRIPTION: Drilling intersected limestone in contact with andesitic volcanic rocks. Quatsino limestone is Upper Triassic in age.
WORK DONE: Diamond drilling, 5 EXT holes, totalling 183 metres, on Fox 11.
REFERENCES: Mineral Inventory 92L-267; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 205; Assessment Report 8073.

MAGNESITE

SAM, FISH (Fig. E-1, NTS 82, No. 297)

LOCATION: Lat. 50° 54' Long. 116° 35' (82K/15E)
GOLDEN M.D. Fourteen kilometres west of Spillimacheen, touching north bank of Driftwood Creek, approximately 2 kilometres southeast of Serpent Lake.
CLAIMS: SAM 1 to 4, FISH 1 to 5.
OWNER: A. R. Miller.
OPERATOR: B.C. COAL LTD., Box 2000, Sparwood V0B 2G0.
DESCRIPTION: Magnesite occurs in 3 stratigraphic horizons within successions of dolomite and dolomitic limestone of the Mount Nelson Formation (Precambrian). The horizons dip 80 degrees southwesterly. Estimated reserves are 22 500 000 tonnes of up to 55 per cent magnesium.
WORK DONE: Geological mapping, 1:1000, on Fish.
REFERENCES: Mineral Inventory 82K/NE-68; Assessment Report 8760.

MANGANESE

SHAG ROCK (Fig. E-1, NTS 103, No. 69)

LOCATION: Lat. 54° 08' Long. 132° 40' (103K/2E)
SKEENA M.D. Queen Charlotte Islands, covering Klashwun Point and Shag Rock on the northern tip of Graham Island.
CLAIMS: SHAG 1 (15 units), SHAG 2 (20 units).
OWNER: GLEN E. WHITE, 9251 Beckwith Road, Richmond.
DESCRIPTION: Grey amygdaloidal basalts and grey shales of Tertiary age strike north-northeast and dip 5 to 20 degrees easterly. The rocks are faulted and brecciated, and cemented by variable amounts of manganite.
WORK DONE: Linecutting, 15 kilometres; geochemical survey, 220 soil samples analysed for copper, lead, manganese, silver, and zinc, covering Shag 1 and 2.
REFERENCES: *Minister of Mines, B.C.* Ann. Rept., 1960, p. 11; Assessment Report 8064; Mineral Inventory 103F–G-1.

MICA

LAURA LEE (Fig. E-1, NTS 92, No. 347)

LOCATION: Lat. 50° 04' Long. 127° 06' (92L/3E)
ALBERNI M.D. Surrounds the mouth of Kaouk River and Fair Harbour, approximately 2.5 kilometres directly north of the north end of Soatwoon Lake and Soatwoon Creek.
CLAIMS: MICA 1 to 4 (4 units).
OWNER: S. L. Shearer.
OPERATOR: J. T. SHEARER, RR 1, Mason Avenue, Port Coquitlam V3C 3V4.
DESCRIPTION: The property is underlain entirely by Lower Jurassic Bonanza volcanic rocks. The main host rock of the sericite zone is a dark grey, well-bedded to laminated dacitic crystal tuff. Much of the sericite zone is delicately layered and strongly resembles the lamination in the host tuffs. The sericite zones are not properly conformable but perhaps cut the tuff beds at a small angle.
WORK DONE: Geological mapping, 1:2500, 1:250, on Mica 1 and 3.
REFERENCES: Mineral Inventory 92L-199, 277; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1970, p. 284; 1971, pp. 479-481; Assessment Report 8931.

OCHRE

MAP (Fig. E-1, NTS 82, No. 2)

LOCATION: Lat. 49° 10' Long. 118° 26' (82E/1W)
GREENWOOD M.D. Approximately 14.5 kilometres north of Grand Forks on the road between Volcanic and Hornet Creeks.
CLAIMS: MICHELLE, BARBARA, JOHN 1 and 2, MAP 1.
OWNER: DOUGLAS MINKEN, Box 17, Sites, RR 1, Dewinton, Alberta T0L 0X0.

DESCRIPTION: Surficial deposit (slope wash) of a reddish limonitic soil, resulting from weathering of volcanic rocks.

WORK DONE: 1979 – geological mapping, 1:8000; geochemical survey, 16 soil and 6 rock samples analysed for ochre, covering all claims.

REFERENCES: *Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 252; Assessment Reports 6432, 7941; Mineral Inventory 82E/SE-207.

PERLITE

FALKLAND (Fig. E-1, NTS 82, No. 313)

LOCATION: Lat. 50° 28′ Long. 119° 35′ (82L/5E)
KAMLOOPS M.D. The property lies about 40 kilometres southwest of Salmon Arm, with the Salmon River running about 3 kilometres north of the claims.

CLAIMS: AMOUR 1 to 4 (1 unit each).

OWNER: J. LEMAY, Box 722, Kelowna V1Y 2P4.

DESCRIPTION: The property is underlain by palagonite breccia.

WORK DONE: Geological mapping, 1:10 000, on Amour.

REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1946, p. 207; Assessment Report 8349; Mineral Inventory 82L/SW-75.

IRON MOUNTAIN (Fig. E-1, NTS 103, No. 40)

LOCATION: Lat. 53° 43′ Long. 132° 51′ (103F/10W, 11E)
SKEENA M.D. Sixty-four kilometres west-northwest from Tlell; Coates Creek flows through the east corner of the property.

CLAIMS: SCORPIO 1 and 2 (20 units), SCORPIO 3 (12 units), SCORPIO 4 (20 units), SCORPIO 5 (18 units), SCORPIO 6 (12 units), SCORPIO 7 (6 units).

OWNER: UNION MINIERE EXPLORATIONS AND MINING CORP. LTD., 200, 4299 Canada Way, Burnaby V5G 1H4.

DESCRIPTION: The area is underlain by interbedded rhyolite to basaltic flows, breccias, and ash flows of the Tertiary Masset Formation. A large gossanous area has zones of argillic alteration, silicification, and pyritization which may reflect the presence of a subvolcanic intrusive.

WORK DONE: Geochemical survey, 272 soil and 39 silt samples analysed for gold, mercury, and arsenic, on Scorpio 5-7.

REFERENCES: Mineral Inventory 103F–G-19; *Minister of Mines, B.C.*, Ann. Rept., 1949, pp. 257, 258; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 54, pp. 115, 175; Exploration in B.C., 1979, pp. 250, 251; Assessment Reports 8029, 8670.

PHOSPHATE

WAPITI (Fig. E-1, NTS 93, No. 82)

LOCATION: Lat. 54° 30′ Long 120° 40′ (93I/7E, 10)
LIARD M.D. Approximately 140 kilometres south of Dawson Creek, 144

kilometres northeast of Prince George, extending from southeast edge of Wapiti Lake in a southeasterly direction covering a large area of Red Deer Creek.

CLAIMS: WAPITI 1 to 25 (352 units).

OWNER: ESSO RESOURCES CANADA LTD., 500 Sixth Avenue SW, Calgary, Alberta.

DESCRIPTION: The property is underlain by limestone of the Debolt Formation (Mississippian), cherty, platform carbonates of the Belcourt Formation (Permian), chert of the Ranger Canyon Formation, and cherty sandstone of the Mowitch Formation. These rock units are overlain by phosphatic and pyritic intercalated calcareous siltstone and phosphate pebble conglomerate of the Sulphur Mountain Formation (Early to Mid-Triassic). The basic structure consists of northwesterly trending tight anticlines-synclines.

WORK DONE: Geological mapping, 1:25 000 and 1:10 000, on all claims; diamond drilling, 12 NQ holes, totalling 1 021 metres and sampling, 209 samples analysed for phosphate, on Wapiti 11, 14, 15, 17, 21.

REFERENCE: Assessment Report 8407.

SEMI–PRECIOUS STONES

JADE

FAR NORTH (Fig. E-1, NTS 93, No. 161)

LOCATION: Lat. 55° 52′ Long. 125° 50′ (93N/13W)
OMINECA M.D. Approximately 7 kilometres southwest of the Omineca River and Ominicetla Creek junction, 4 kilometres west of Mount Ogden.

CLAIMS: OGDEN 1 to 8, LF 1 to 6, LCF 1 to 4, VANCOUVER 2 to 7, RALF 1 to 4, 5 FR., 6 to 8, 9 FR., 10 FR.

OWNER: Far North Jade Ltd.

OPERATOR: PRIMEX EXPLORATIONS LTD., 8119 Fremlin Street, Vancouver V6P 3W9.

DESCRIPTION: Much of the property is underlain by serpentine formed from altered peridotite and dunite intruded into volcanic-sedimentary rocks of the Cache Creek Group.

WORK DONE: Diamond drilling, 276 XRP holes, totalling 407.8 metres, on Ogden 6-8 and LF 4-6.

REFERENCES: Mineral Inventory 93N-165; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1976, p. E 203; Assessment Reports 4523, 6068, 9594.

JADEX (Fig. E-1, NTS 104, No. 54)

LOCATION: Lat. 58° 15′ Long. 128° 35′ (104I/2E, 7E)
LIARD M.D. Eleven kilometres due south of Wolverine Lake.

CLAIMS: JADEX 1 to 8 (23 units).

OWNER: CRY LAKE JADE MINES LTD., 325, 6400 Roberts Street, Burnaby V5G 4G2.

DESCRIPTION: A belt of ultramafic rocks intruding metasedimentary rocks trends northwesterly and contains large masses of serpentinized peridotite in its central part. The peridotites were intruded by gabbro dykes. Numerous lenses of nephrite occur in the serpentinized peridotite. The belt is broken up by faulting.

WORK DONE: Ground magnetometer survey, 8 kilometres.

REFERENCES: Mineral Inventory 104I-78; *B.C. Ministry of Energy, Mines & Pet. Res.*, 1978, p. E 292; 1979, p. 335 (Kutcho Creek area); Assessment Report 8659.

BAGGINS (Fig. E-1, NTS 104, No. 50)

LOCATION: Lat. 58° 16′ Long. 128° 40′ (104I/7E)
LIARD M.D. Eighty-four kilometres east of Dease Lake, on Letain Creek.

CLAIMS: BAGGINS (16 units), Placer Mining Lease 2013.

OWNER: PRIMEX EXPLORATIONS LTD., 8119 Fremlin Street, Vancouver V6P 3W9.

DESCRIPTION: Jade occurs in boulders on the talus slopes and locally in place on the contact between serpentinite and the Cache Creek Group rocks.

WORK DONE: 1979 – diamond drilling (XRP), in 153 boulders, totalling 114.4 metres, on both claims.

REFERENCE: Assessment Report 8108.

KING KONG (Fig. E-1, NTS 104, No. 53)

LOCATION: Lat. 58° 19′ Long. 128° 50′ (104I/7W)
LIARD M.D. Approximately 3.5 kilometres west of Letain Lake.

CLAIMS: SPRING 1 (20 units), SPRING 2 (10 units), SPRING 3 (1 unit).

OWNER: CRY LAKE JADE MINES LTD., 325, 6400 Roberts Street, Burnaby V5G 4G2.

DESCRIPTION: A belt of ultramafic rocks intruding metasedimentary rock trends northwesterly and contains large masses of serpentinized peridotite in its central part. The peridotites were intruded by gabbro dykes. Numerous lenses of nephrite occur in the serpentinized peridotite. The belt is broken up by faulting.

WORK DONE: Ground magnetometer survey, 8 kilometres.

REFERENCES: Mineral Inventory 104I-67; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1974, p. 381; Exploration in B.C., 1979, p. 334; Assessment Reports 5100, 6542, 8659.

SILICA

FS, SILICA (Fig. E-1, NTS 82, No. 322)

LOCATION: Lat. 50° 48.9′ Long. 119° 49′ (82L/13W)
KAMLOOPS M.D. Approximately 5 kilometres west-northwest of the mouth of Loakin Creek and Niskonlith Lake approximately 14.1 kilometres south-southeast of Mount Tod.

CLAIMS: SILICA 1 (3 units), SILICA 2 (12 units), SILICA 3 (16 units), SILICA 4 (8 units), SILICA 5 (1 unit), SILICA 6 (16 units).

OWNER: INTERIOR STONE & MARBLE LTD., Box 2070, Kamloops.

DESCRIPTION: The claim area is underlain by metasedimentary rocks (Early Paleozoic) and metavolcanic rocks (Permian), all of which are intruded by granodiorite (Cretaceous). A massive quartz vein 800 metres by 1 to 20 metres occurs in a fault zone along Niskonlith Creek which contains galena, pyrite, annabergite, sphalerite, and possibly scheelite.

WORK DONE: Geological mapping; and diamond drilling, 14 NQ holes, totalling 1 242.8 metres, on Silica 1 and 2; road building, 200 metres; and drilling and blasting, 122 metres, on Silica 1; trenching and stripping, 3 trenches, 150 metres, on Silica 2.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1969, p. 405; Exploration in B.C., 1978, p. E 98; Assessment Report 9529; Mineral Inventory 82L/NW-31.

HUNT (Fig. E-1, NTS 82, No. 355)

LOCATION: Lat. 51° 13' Long. 116° 52' (82N/2W)
GOLDEN M.D. Twelve kilometres southeast of Golden, 2.5 kilometres upstream from the mouth of Horse Creek.

CLAIMS: HUNT 1 A to 9 A.

OWNER: COASTAL MINING OF CANADA LTD., Davis and Company, 1400, 1030 West Georgia Street, Vancouver V6E 3C2.

DESCRIPTION: Quartzite beds dipping eastward at 30 degrees.

WORK DONE: Linecutting, 400 metres; bulk sampling and mapping; road building, 300 metres; and diamond drilling, 11 BQ holes, totalling 380 metres, all on Hunt 6 A.

REFERENCES: Mineral Inventory 82N-43; *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 336.

BUSE (Fig. E-1, NTS 92, No. 248)

LOCATION: Lat. 50° 37' Long. 120° 01.4' (92I/9E)
KAMLOOPS M.D. Twenty-one kilometres east of Kamloops and 4 kilometres south of the South Thompson River, on the southeast side of Buse Lake.

CLAIMS: BUSE 1 to 4 (4 units).

OWNER: CANADA CEMENT LAFARGE LTD., 1051 Main Street, Vancouver.

DESCRIPTION: A bed of altered volcanic ash low in alkalines is mined for its 14 per cent Al_2O_3 content. Devitrified glossy rhyolite tuff of the Kamloops Group.

WORK DONE: Diamond drilling, 7 BQ holes, totalling 611.4 metres, on Buse 1-3.

REFERENCES: Mineral Inventory 92I/NE-123; *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, p. 478; Assessment Report 8114.

TALC

WEST, NORTH, SOUTH, EAST (Fig. E-1, NTS 92, No. 4)

LOCATION: Lat. 49° 30.5' Long. 123° 44' (92B/12E, 5E)
Report on this property in Metals section 92B/12E, 5E.

COAL EXPLORATION

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GENERAL REVIEW OF COAL EXPLORATION

By A. Matheson

Exploration for coal, at 15.5 million, was down 12.9 per cent in 1980. This is an expected result as programs mature and properties either enter a development phase, are put on hold, or are written off.

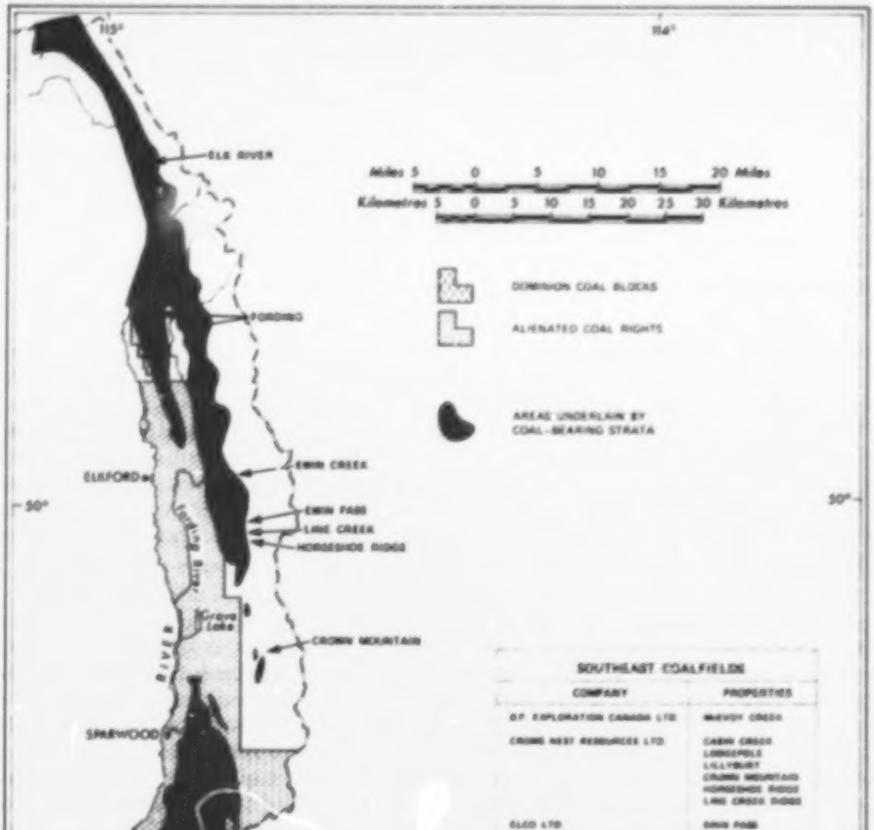
Major exploration programs undertaken in 1980 were as follows:

CROWSNEST COALFIELD: In southeastern British Columbia major exploration programs were carried out by Fording Coal Ltd., B.C. Coal Ltd., and Crows Nest Resources Ltd. Fording Coal Ltd. drilled 17 diamond and 60 rotary holes for a total of 17 951 metres on their Fording River property. B.C. Coal Ltd. drilled one diamond hole on their Flathead property and drove two adits on their Ewin Creek licences. Crows Nest Resources Ltd. drilled a total of 34 diamond and 24 rotary holes for a total of 9 991 metres. The bulk of their drilling was done on their Lodgepole and Line Creek properties. Crows Nest Resources Ltd. also dug a number of trenches on their Bare Mountain, Chauncey Ridge, Burnt Ridge, Ewin Pass, Tent, and Corbin licences, a total of 162 for a total of 14 030 metres.

PEACE RIVER COALFIELD: In the northeast, Gulf Canada Resources Inc., Denison Mines Ltd., Petro-Canada Exploration Inc., Canadian Superior Exploration Ltd., McIntyre Mines Ltd., Ranger Oil Ltd., Teck Corp., Utah Mines Ltd., and Norco Resources Ltd. undertook major programs. Gulf Canada Resources Inc. drilled a total of 21 diamond holes and 55 rotary holes for a total of 14 097 metres on their Goodrich, Trefi, and Wapiti properties. Denison Mines Ltd. drilled 12 diamond and 29 rotary holes for a total of 7 224 metres on their Belcourt property. Petro-Canada Exploration Inc., Canadian Superior Exploration Ltd., and McIntyre Mines Ltd. drilled 11 diamond and 77 rotary holes for a total of 11 825 metres on their Monkman property (operated by Petro-Canada Exploration Inc.). Ranger Oil Ltd. explored further their Mount Spieker property and Teck Corp. drilled 38 diamond and 27 winkie holes for a total of 3 835 metres on their Burnt River property. Utah Mines Ltd. concentrated their work on South Mount Gething, drilling two diamond and 27 rotary holes for a total of 1 505 metres.

BOWRON RIVER COALFIELD: Norco Resources Ltd. drilled 14 holes for a total of 5 295 metres on their Bowron River property.

VANCOUVER ISLAND: Activity on Vancouver Island increased in 1980 with major progress by BP Exploration Canada Ltd. and Esso Resources Canada Ltd. Diamond drilling totalled 3 842 metres in 14 holes and rotary totalled 4 572 metres in 17 holes.


115°
114°
ELK RIVER
Miles 5 0 5 10 15 20 Miles
Kilometres 5 0 5 10 15 20 25 30 Kilometres
DOMINION COAL BLOCKS
ALIENATED COAL RIGHTS
FORDING
AREAS UNDERLAIN BY COAL-BEARING STRATA
EWIN CREEK
ELKFORD
50°
50°
EWIN PASS
LINE CREEK
HORSESHOE RIDGE
Fording River
Grave Lake
CROWN MOUNTAIN
ELK RIVER
SPARWOOD
FERNIE
TAYLOR SOUTH
McEVOY CREEK
LILLYBURT
ELKO
LODGEPOLE
FLATHEAD RIDGE
Flathead River
ALBERTA
BRITISH COLUMBIA
CABIN CREEK
49°
115°
UNITED STATES OF AMERICA
114°
49°

SOUTHEAST COALFIELDS

COMPANY	PROPERTIES
B.P. EXPLORATION CANADA LTD	McEVOY CREEK
CROWS NEST RESOURCES LTD	CABIN CREEK LODGEPOLE LILLYBURT CROWN MOUNTAIN HORSESHOE RIDGE LINE CREEK RIDGE
ELCO LTD	EWIN PASS ELK RIVER
KAISER RESOURCES LTD	FLATHEAD RIDGE TAYLOR SOUTH EWIN CREEK
FORDING COAL LTD	FORDING RIVER

Figure E–5. Southern British Columbia, coal properties location map.

REPORTS ON COAL EXPLORATION

CROWSNEST COALFIELD (Fig. E–5)

LODGEPOLE PROJECT (Fig. E-1, NTS 82, No. 411)

LOCATION: Lat. 49° 20′ Long. 114° 45′ (82G/7)
Thirty-two kilometres southeast of Fernie.

LICENCES: C.L. Nos. 490 to 495, 4729 to 4735.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The property covers a portion of the east limb of the McEvoy syncline which has a general trend of 205 degrees and dips 25 degrees. Approximately 530 metres of the Kootenay strata are present on the Lodgepole property.

WORK DONE: Geological mapping, 1:5000, 1:2000; diamond drilling, 13 holes, totalling 2 350 metres; rotary drilling, 5 holes, totalling 279 metres; trenching, totalling 733 metres; logging, gamma, neutron, and density; adits, 4, totalling 149 metres; sampling, drill holes were sampled.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1977, p. E 261; 1979, p. 343.

FLATHEAD RIDGE (Fig. E-1, NTS 82, No. 410)

LOCATION: Lat. 49° 20′ Long. 114° 50′ (82G/7)
Twenty-two kilometres east of Elko.

LICENCES: C.L. Nos. 505, 506, 4188, 4189.

OWNER: B.C. COAL LTD., Box 2000, Sparwood V0B 2G0.

DESCRIPTION: The property lies on the west limb of the McEvoy syncline. The coal occurs in the Mist Mountain Formation, the beds of which strike northwest and dip from 10 to 35 degrees to the northeast. Minor faults were observed in the area.

WORK DONE: Geological mapping, 1:5000; diamond drilling, 1 hole, totalling 740 metres; logging, gamma, neutron, and density; sampling, from drill hole.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 344.

MICHEL CREEK (Fig. E-1, NTS 82, No. 413)

LOCATION: Lat. 49° 28′ Long. 114° 40′ (82G/7)
Twenty-five kilometres south of Sparwood.

LICENCES: C.L. No. 5177.

OWNER: ESSO RESOURCES CANADA LTD., Coal Department, 237 Fourth Avenue SW, Calgary, Alberta T2P 0H6.

DESCRIPTION: The Mist Mountain Formation was not encountered on the property.

WORK DONE: Geological mapping, 1:10 000.

CORBIN (TENT AND COAL MOUNTAINS) (Fig. E-1, NTS 82, No. 412)

LOCATION: Lat. 49° 31′ Long. 114° 39′ (82G/7E)
Twenty-eight kilometres east of Fernie.

LICENCES: C.L. Nos. 413, 414.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The property is located on an outlier of the Fernie coal basin. The strata of the Corbin–Tent Mountain property have been folded into a south plunging, northwest-trending, anticline-syncline couple. Westerly dipping thrust faults are present. The strata on Coal Mountain have been subjected to an unusually high degree of folding and thrust faulting resulting in the thickening of the coal zone in the Kootenay Group.

WORK DONE: Geological mapping, 1:5000, 1:1000; diamond drilling, 11 holes, totalling 1 777 metres; rotary drilling, 1 hole, totalling 52 metres; logging, gamma, neutron, density, and caliper; trenching, 8 trenches, totalling 1 340 metres.

COMOX COALFIELD

DASH CREEK (COMOX) (Fig. E-1, NTS 92, No. 460)

LOCATION: Lat. 49° 07′ Long. 124° 17′ (92F/1E)
Between the headwaters of the south fork of the Englishman River and the Nanaimo River.

LICENCES: C.L. Nos. 6335 to 6342.

OWNER: BRITISH PETROLEUM (CANADA) LTD., 335 Eighth Avenue SW, Calgary, Alberta.

DESCRIPTION: The licences overlie a butte of Upper Cretaceous sedimentary rocks of the Comox Formation and probably Eocene intrusive igneous rocks. On all sides erosion has cut down into the pre-Cretaceous basement. Coal potential on the property is low according to the limited work done.

WORK DONE: Geological mapping, 1:10 000; wireline drilling, 1 hole, totalling 225 metres.

MORIARTY LAKE (COMOX) (Fig. E-1, NTS 92, No. 462)

LOCATION: Lat. 49° 07′ Long. 124° 23′ (92F/1W)
Between the north fork of the Englishman River and the Nanaimo River.

LICENCES: C.L. Nos. 6322 to 6334, 6369.

OWNER: BRITISH PETROLEUM (CANADA) LTD., 335 Eighth Avenue SW, Calgary, Alberta.

DESCRIPTION: The property covers the most northerly of a group of outliers of Upper Cretaceous sedimentary rocks found between the headwaters of the Nanaimo and Englishman Rivers. The Nanaimo Group is intruded by Eocene plutonic rocks. According to the limited exploration there is little coal potential in the area.

WORK DONE: Geological mapping, 1:10 000; logging, gamma, neutron, caliper, deviation, and resistivity; wireline drilling, 2 holes, totalling 532 metres.

ALBERNI (COMOX) (Fig. E-1, NTS 92, No. 461)

LOCATION: Lat. 49° 13′ Long. 124° 45′ (92F/2E)
At the south end of the Alberni valley, adjacent to Cox and Bainbridge Lakes.

LICENCES: C.L. Nos. 6292 to 6302.

OWNER:	BRITISH PETROLEUM (CANADA) LTD., 335 Eighth Avenue SW, Calgary, Alberta.
DESCRIPTION:	The Alberni coal property is at the southern end of the Alberni graben. The graben is tilted down to the northeast and contains sedimentary rocks of Upper Cretaceous Comox Formation (Nanaimo Group) and intrusive rocks of probable Eocene age. There is little indication of mineable coal.
WORK DONE:	Geological mapping, 1:10 000; wireline drilling, 1 hole, totalling 348 metres.

THAMES CREEK (Fig. E-1, NTS 92, No. 463)

LOCATION:	Lat. 49° 25′ Long. 124° 46′ (92F/7E) Eight kilometres west of Bowser.
LICENCES:	C.L. Nos. 6175 to 6183.
OWNER:	ESSO RESOURCES CANADA LTD., Coal Division, 237 Fourth Avenue SW, Calgary, Alberta T2P 0H6.
DESCRIPTION:	The licences overlie three recognizable units; the Karmutsen Group of the Middle to Late Jurassic period as well as the Comox and the Haslam Formations of the Upper Cretaceous period. Coal-bearing strata were not encountered in the drilling.
WORK DONE:	Geological mapping, 1:10 000; logging, gamma, density, caliper, dipmeter, and focused beam; rotary drilling, 3 holes, totalling 300 metres.

PARKSVILLE (COMOX) (Fig. E-1, NTS 92, No. 459)

LOCATION:	Lat. 49° 20′ Long. 124° 22′ (92F/8W) Eastern coastal lowland in the vicinity of Parksville and Qualicum.
LICENCES:	C.L. Nos. 6735 to 6781.
OWNER:	BRITISH PETROLEUM (CANADA) LTD., 335 Eighth Avenue SW, Calgary, Alberta.
DESCRIPTION:	The property overlies sedimentary rocks of the Upper Cretaceous Comox Formation. The only coals encountered were thin and dirty.
WORK DONE:	Geological mapping, 1:10 000; rotary drilling, 2 holes, totalling 1 065 metres; wireline drilling, 5 holes, totalling 2 248 metres.

IDLE CREEK (Fig. E-1, NTS 92, No. 464)

LOCATION:	Lat. 49° 37′ Long. 125° 00′ (92F/11E, 10W) Five kilometres south of Cumberland.
LICENCE:	C.L. No. 6174.
OWNER:	ESSO RESOURCES CANADA LTD., Coal Division, 237 Fourth Avenue SW, Calgary, Alberta T2P 0H6.
DESCRIPTION:	The licence area contains an outlier of sedimentary rocks considered to be of the Nanaimo Group. The structure is simple and beds dip 10 to 18 degrees northeast. No coal seems to be evident.
WORK DONE:	Geological mapping, 1:10 000; reconnaissance geological survey.

NANAIMO COALFIELD

COWICHAN (Fig. E-1, NTS 92, No. 468)

LOCATION: Lat. 48° 40′ Long. 123° 45′ (92B/13W)
On the south side of Cowichan valley, between Holt and Kelvin Creeks.

OWNER: BRITISH PETROLEUM (CANADA) LTD., 335 Eighth Avenue SW, Calgary, Alberta.

DESCRIPTION: The area is overlain by Jurassic to Lower Cretaceous sedimentary rocks which were deposited in the Nanaimo basin. The principal structural feature of the area is a north-northeastward dipping monocline. This structure is cut by several northeast-trending faults.

WORK DONE: Geological mapping, 1:10 000.

BENSON MOUNTAIN (Fig. E-1, NTS 92, No. 466)

LOCATION: Lat. 49° 10′ Long. 124° 07′ (92F/1E)
West of Nanaimo.

LICENCES: C.L. Nos. 5279 to 5300.

OWNER: NETHERLANDS PACIFIC MINING CO. INC., 301, 1201 West Pender Street, Vancouver V6E 2V2.

DESCRIPTION: The property encompasses three sedimentary formations of the Nanaimo Group; the Comox Formation, the lowermost, lying unconformably on the volcanic rocks of the Vancouver Group, the Haslam Formation, and the Extension–Protection Formation. The sedimentary basin was intruded by granites and granodiorites of the Island intrusives, which are placed in the Middle to Upper Jurassic and possibly the Cretaceous period.

WORK DONE: Rotary drilling, 6 holes, totalling 110 metres; sampling.

OKAY MOUNTAIN (Fig. E-1, NTS 92, No. 465)

LOCATION: Lat. 49° 12′ Long. 124° 14′ (92F/1E)
South of Englishman River Falls Park.

LICENCES: C.L. Nos. 6200 to 6214.

OWNER: ESSO RESOURCES CANADA LTD., Coal Division, 237 Fourth Avenue SW, Calgary, Alberta T2P 0H6.

DESCRIPTION: The property is considered to be an outlier of the Extension–Protection Formation of the Nanaimo Group sedimentary rocks. The area has a complex geological history of faulting, intrusion, and subsequent erosion. No continuous coal seams were encountered.

WORK DONE: Geological mapping, 1:10 000; rotary drilling, 5 holes, totalling 1 096 metres; logging, gamma, density, caliper, focused beam, and dipmeter.

HASLAM CREEK (Fig. E-1, NTS 92, No. 467)

LOCATION: Lat. 49° 03′ Long. 123° 50′ (92G/4E)
Four kilometres southwest of Cassidy.

LICENCES: C.L. Nos. 6189, 6192, 6193, 6195, 6196, 6198.

OWNER: ESSO RESOURCES CANADA LTD., Coal Division, 237 Fourth Avenue SW, Calgary, Alberta T2P 0H6.

DESCRIPTION: The licences overlie Jurassic to Lower Cretaceous sedimentary rocks. Three lithologic units have been recognized on the property; the Haslam Formation, the Extension–Protection Formation, and the Cedar District Formation. It appears that little structural disturbance has taken place. Thin bands of coal were only encountered in one drill hole, the others had none.
WORK DONE: Geological mapping, 1:10 000; logging, gamma, density, caliper, dipmeter, and focused electric; rotary drilling, 5 holes, totalling 1 143 metres.

SUQUASH COALFIELD

SUQUASH COAL PROJECT (Fig. E-1, NTS 92, No. 460)

LOCATION: Lat. 50° 38′ Long. 127° 15′ (92L/11)
Eight kilometres northwest of Port McNeill.
LICENCES: C.L. Nos. 5784 to 5799.
OWNERS: Ram Ventures Ltd. and Filtrol Minerals Ltd.
OPERATOR: ABCON ENGINEERING LTD., 226, 636 Centre Street South, Calgary, Alberta.
DESCRIPTION: The licences overlie a portion of a Cretaceous sedimentary basin. The area is fault-bounded to the southwest and extends under the Broughton and Queen Charlotte Straits for an undetermined distance. The surface geology is complex. The major structural feature in this area is a broad open syncline plunging at a low angle to the northeast.
WORK DONE: Rotary drilling, 5 holes, totalling 1 268 metres; logging, gamma, caliper, density, and resistivity; surveying of drill holes.

SIMILKAMEEN COALFIELD

PRINCETON NORTH (Fig. E-1, NTS 92, No. 457)

LOCATION: Lat. 49° 28′ Long. 120° 26′ (92H/9)
North of the town of Princeton.
LICENCES: C.L. Nos. 5219 to 5238, 5240, 5243.
OWNER: Cominco Ltd.
OPERATOR: FORDING COAL LTD., 205 Ninth Avenue SE, Calgary, Alberta T2G 0R3.
DESCRIPTION: Four major coal zones occur within a 500-metre sedimentary sequence in the Princeton basin. The northern half of the north-northeast-trending Tertiary basin is a gentle open syncline with a gently plunging easterly trending fold axis. The southern part of the basin is a structural depression.
WORK DONE: Rotary drilling, 4 holes, totalling 322 metres; logging, gamma, neutron, density, spontaneous potential resistance.

HAT CREEK COALFIELD

HAT CREEK (Fig. E-1, NTS 92, No. 458)

LOCATION: Lat. 50° 45′ Long. 121° 36′ (92I/12E, 13E)
Twenty-four kilometres west-northwest of Ashcroft.

LICENCES: C.L. Nos. 12, 144, 2753 to 2762, 3003 to 3004, 3009 to 3013.

OWNER: BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, 970 Burrard Street, Vancouver V6V 1Y3.

DESCRIPTION: A large deposit of low-ranking coal occurs in the Coldwater Formation in the Tertiary Hat Creek basin. In general, the structure of the basin is simple. The central zone of the valley, underlain mainly by coal and sedimentary formations, has been down-dipped forming a graben. This is cut by easterly trending gravity faults of recent origin.

WORK DONE: Geological mapping, 1:20 000.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in British Columbia, A Technical Appraisal, 1976, p. 218; Exploration in B.C., 1975, pp. E 216, E 217; 1977, p. E 267; 1978, pp. E 304, E 305.

MERRITT COALFIELD

QUILCHENA COAL PROSPECT (Fig. E-1, NTS 92, No. 471)

LOCATION: Lat. 50° 06' Long. 120° 31' (92I/2W)
Twenty-four kilometres northeast of Merritt.

LICENCES: C.L. Nos. 4322 to 4327.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The coal measures lie in predominantly conglomeratic sandstone strata in the Tertiary Coldwater Formation. They occupy a depression in Triassic volcanic rocks and are also bounded by Jurassic intrusions and younger volcanic rocks.

WORK DONE: Geological mapping, 1:5000; rotary drilling, 2 holes, totalling 523 metres; logging, gamma, density, neutron, caliper, focused beam, and sonic; trenching, 2 hand trenches; surveying of drill holes.

MERRITT COAL PROSPECT (Fig. E-1, NTS 92, No. 470)

LOCATION: Lat. 50° 10' Long. 120° 40' (92I/11W)
Approximately 100 kilometres south of Kamloops on Highway No. 5.

LICENCES: C.L. Nos. 6215 to 6242.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The Merritt coalfield is one of several remnant early Tertiary basins within the Cordilleran Intermontane Belt. Coal deposits lie within the Coldwater Formation. Extensive glacial drift cover, rapid textural changes of the clastics, and lenticular nature of the coal seams has made it difficult to work out the nature of folds and faults throughout the basin.

WORK DONE: Geological mapping, 1:5000; rotary drilling, 20 holes, totalling 3 877 metres; logging, gamma, density, neutron, resistivity, and caliper; trenching, hand trenching through coal seams and backhoe trenching, 21 trenches, totalling 105 metres; location survey of drill holes.

FLATHEAD COALFIELD

HOLLEBEKE MOUNTAIN (Fig. E-1 NTS 82, No. 414)

LOCATION: Lat. 49° 22′ Long. 114° 37′ (82G/5E)
Fifty-three kilometres southeast of Sparwood.

LICENCES: C. L. No. 5313.

OWNER: W. Shenfield.

OPERATOR: STEPHEN GARDNER, 274 Westwood Road, RR 3, Site 5, Nanaimo V9R 5K3.

DESCRIPTION: The upper part of the Kootenay Group is exposed in the Pincher Creek valley on the west side of Hollebeke Mountain. The upper Kootenay strata in this area have been structurally disturbed by thrusting from the west, resulting in the low-angle westerly dipping thrust fault known as the Lewis overthrust.

WORK DONE: Trenching, some hand trenching and one backhoe trench; sampling, samples taken from trenches.

CABIN CREEK PROJECT (Fig. E-1, NTS 82, No. 416)

LOCATION: Lat. 49° 08′ Long. 114° 43′ (82G/7)
Northwest of Sage Creek.

LICENCES: C.L. Nos. 595 to 601, 4742.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The property has two main coal seams. The coal-bearing strata are 80 metres thick. The overall structure of the coal measure is very simple. There are indications of minor movements within the mass of strata; however, no folds or faults of even minor magnitude have been recognized.

WORK DONE: Geological mapping, 1:5000.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 343.

LILYBURT COAL PROSPECT (Fig. E-1, NTS 82, No. 415)

LOCATION: Lat. 49° 20′ Long. 114° 41′ (82G/7)
At the northeastern end of Flathead River valley.

LICENCES: C.L. Nos. 4080 to 4089.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The coal occurs in the Mist Mountain Formation of the Jurassic/Cretaceous Kootenay Group. The structure is that of a graben bounded by the Flathead normal fault to the northeast and a normal fault to the south.

WORK DONE: Geological mapping, 1:5000; diamond drilling, 19 holes, totalling 3388 metres; logging, gamma, neutron, density, and caliper; trenching, 3 trenches, totalling 275 metres.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 343, 344.

BOWRON RIVER COALFIELD

BOWRON RIVER (Fig. E-1, NTS 93, No. 165)

LOCATION: Lat. 53° 50′ Long. 121° 55′ (93H/13W)
Approximately 45 kilometres east of Prince George.

LICENCES: C.L. Nos. 148, 162, 163, 4458 to 4464, 4723 to 4727, 6043, 6044, 6343.

OWNER: NORCO RESOURCES LTD., 2050, 200 Granville Street, Vancouver V6C 1S4.

DESCRIPTION: The licences overlie Tertiary sedimentary rocks. These rocks unconformably overlie the basement assemblage. The sedimentary rocks occupy a trough which attains an average width of 1.5 to 2 metres and strikes southeastward for a distance of about 30 to 35 kilometres.

WORK DONE: Diamond drilling, 6 holes, totalling 1545 metres; rotary drilling, 8 holes, totalling 3750 metres; logging, gamma, neutron, density, caliper, and focused beam; seismic survey; sampling, one hole was sampled.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in British Columbia, A Technical Appraisal, 1976, pp. 216, 217; Exploration in B.C., 1977, p. E 268.

ELK VALLEY COALFIELD

TEEPEE MOUNTAIN (Fig. E-1, NTS 82, No. 403)

LOCATION: Lat. 49° 53′ Long. 114° 41′ (82G/15)
Twenty-five kilometres northeast of Sparwood.

LICENCES: C.L. Nos. 299, 300, 302, 303, 370.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: Kootenay Group strata crop out along most of the length of Teepee Mountain. Sandstones of the Basal or Moose Mountain member comprise most of the mountain. The property is on the axis of the Alexander Creek (Fording River) syncline. Locally the mountain shows evidence of intense thrust faulting and to a lesser degree, normal faulting.

WORK DONE: Geological mapping, 1:5000; 1:2000; diamond drilling, 1 hole, totalling 41 metres; rotary drilling, 7 holes, totalling 410.87 metres; logging, gamma, neutron, density, and caliper; trenching, backhoe; sampling, drill holes were sampled.

EWIN PASS PROJECT (Fig. E-1, NTS 82, No. 400)

LOCATION: Lat. 49° 57′ Long. 114° 42′ (82G/15)
Thirty-one kilometres south of Sparwood.

LICENCES: C.L. Nos. 283, 286 to 289, 1300.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The coal occurs in the Mist Mountain Formation. The property is located on the eastern flank of the southern part of the Alexander Creek (Fording River) syncline. The beds strike from 190 to 200 degrees and dips vary from 20 to 60 degrees. In the northern part the syncline is complicated by thrust faulting on its eastern limb.

WORK DONE: Geological mapping, 1:2000; diamond drilling, 6 holes, totalling 1 369 metres; logged with gamma, neutron, density, and caliper; trenching, 29 backhoe, totalling 5 505 metres and 8 hand, totalling 405 metres; sampling, samples taken from all trenches, 2 bulk samples taken from previous adits and drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 346, 347.

HORSESHOE RIDGE (Fig. E-1, NTS 82, No. 402)

LOCATION: Lat. 49° 57′ Long. 114° 45′ (82G/15)
Twenty-eight kilometres northeast of Sparwood.

LICENCES: C.L. Nos. 295, 296, 299, 368, 369, 373.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: Most of the 1980 exploration program was concentrated on the lower part of the west slope with the purpose of finding additional reserves in the truncated west limb of the Horseshoe syncline. Results indicated considerable disruption by the Erickson fault zone.

WORK DONE: Geological mapping, 1:2000; rotary drilling, 1 hole, totalling 294.1 metres; logging, neutron, caliper, density, and resistivity; adits, 1 driven, 35 metres, 2 previous adits were extended for 30 metres; sampling, from drill hole.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in British Columbia, A Technical Appraisal, 1976, pp. 192, 193; Exploration in B.C., 1978, p. E 301; 1979, pp. 345, 346.

MOUNT MICHAEL (Fig. E-1, NTS 82, No. 407)

LOCATION: Lat. 49° 58′ Long. 114° 45′ (82G/15)
Two kilometres north of the Line Creek open-pit mine development.

LICENCES: C.L. Nos. 285, 286, 289 to 292, 304.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The licences overlie Mist Mountain strata of the Kootenay Group and the Erickson Thrust Fault is evident on the property.

WORK DONE: Geological mapping, 1:5000; trenching, 10 trenches.

LINE CREEK EXTENSION AND CENTRAL BLOCK (Fig. E-1, NTS 82, No. 409)

LOCATION: Lat. 50° 00′ Long. 114° 46′ (82G/15)
Twenty-five kilometres northeast of Sparwood.

LICENCES: C.L. Nos. 284, 285, 290, 293, 294, 297, 298, 301, 304.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The coal seams are found in the Mist Mountain Formation of the Kootenay Group. Thirteen coal seams were found with an aggregate thickness of over 50 metres.

WORK DONE: Geological mapping, 1:5000, 1:2000; diamond drilling, 2 holes, totalling 444 metres; rotary drilling, 13 holes, totalling 2 658 metres; logging, gamma, neutron, density, and caliper; trenching, 12 backhoe trenches, totalling 5 625 metres; sampling, 4 adits sampled and drill holes resampled; boreholes were surveyed.

MOUNT BANNER EAST (Fig. E-1, NTS 82, No. 408)

LOCATION: Lat. 50° 01′ Long. 114° 45′ (82J/2)
Twelve kilometres to the east of Elkford.
LICENCES: C.L. Nos. 277, 278, 281, 1299.
OWNER: Shell Canada Resources Ltd.
OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: The coal seams occur in the Mist Mountain Formation of the Kootenay Group which varies in thickness from 245 to 860 metres. The licences overlie a syncline which has been complicated by thrust faulting.
WORK DONE: Geological mapping, 1:5000, 1:2000; diamond drilling, 1 hole, totalling 319 metres; logging, gamma, neutron, density, and caliper; trenching, totalling 127 metres; a location survey was done; sampling, from drill hole.

BURNT RIDGE EXTENSION (Fig. E-1, NTS 82, No. 404)

LOCATION: Lat. 50° 05.4′ Long. 114° 48.7′ (82J/2)
Nine kilometres north of Elkford.
LICENCES: C.L. Nos. 272, 273, 276.
OWNER: Shell Canada Resources Ltd.
OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: The property lies on the west limb of the Alexander Creek (Fording River) syncline. It is bounded on the west by the Erickson (normal) fault and on the east by the Fording River.
WORK DONE: Geological mapping, 1:5000; trenching, 43 hand trenches, totalling 525 metres; a location survey was done.

BARE MOUNTAIN (Fig. E-1, NTS 82, No. 405)

LOCATION: Lat. 50° 07′ Long. 114° 48′ (82J/2)
Nine kilometres north of Elkford.
LICENCES: C.L. Nos. 264 to 269, 271, 272.
OWNER: Shell Canada Resources Ltd.
OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: The licences are located on the westerly dipping limb of the Alexander Creek (Fording River) syncline. The coal-bearing member is commonly folded and associated with low-angle thrust faults which dip to the west.
WORK DONE: Geological mapping, 1:5000; trenching, 46 trenches, totalling 352.5 metres.

CHAUNCEY RIDGE (Fig. E-1, NTS 82, No. 406)

LOCATION: Lat. 50° 07.2′ Long. 114° 48′ (82J/2)
Nine kilometres north of Elkford.
LICENCES: C.L. Nos. 265 to 267.
OWNER: Shell Canada Resources Ltd.
OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: The licences overlie late Jurassic to early Cretaceous sedimentary rocks. Coal occurs in the Mist Mountain Formation. Chauncey Ridge is centred on the Alexander Creek (Fording River) syncline.
WORK DONE: Geological mapping, 1:5000; trenching, 30 trenches, totalling 398.4 metres; a location survey was taken and sampling was done.

EWIN CREEK (Fig. E-1, NTS 82, No. 399)

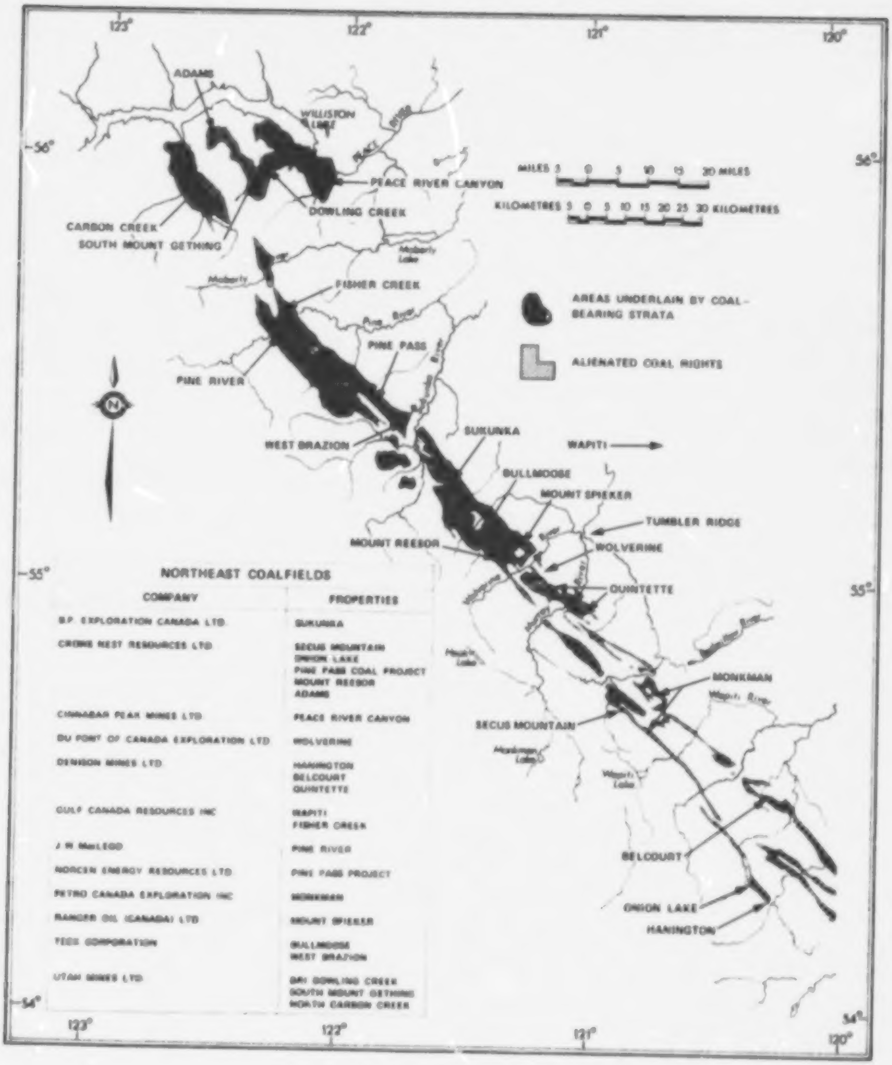
LOCATION: Lat. 50° 03′ Long. 114° 46′ (82J/5)
Located in the Fording River valley.
LICENCES: C.L. Nos. 260 to 263, 2221.
OWNER: B.C. COAL LTD., Box 2000, Sparwood.
DESCRIPTION: The Ewin Creek licences overlie Jurassic and Cretaceous beds of the Fernie Formation and the Kootenay Group. The Mist Mountain Formation is over 500 metres thick. The licences overlie the east limb of the Alexander Creek (Fording River) syncline. No major faults were mapped in the area.
WORK DONE: Adits, 2 driven, totalling 64.8 metres.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 347.

FORDING RIVER (Fig. E-1, NTS 82, No. 401)

LOCATION: Lat. 50° 10′ Long. 114° 52′ (82J/7)
The property is situated 48 kilometres north of Sparwood.
LICENCES: C.L. Nos. 333, 334, 339, 340, 342, 343, 348, 358.
OWNER: Fording Coal Ltd.
OPERATOR: FORDING RIVER OPERATIONS, Box 100, Elkford V0B 1M0.
DESCRIPTION: The coal in the area occurs in the Lower Cretaceous Kootenay Group. Two synclines trending north-south occur on either side of the Fording River and are separated by a major fault downthrown on the west.
WORK DONE: Geological mapping, 1:25 000; diamond drilling, 17 holes, totalling 6 512 metres; rotary drilling, 60 holes, totalling 11 439 metres; logging, gamma, neutron, and density; and sampling, all drill holes sampled.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in British Columbia, A Technical Appraisal, 1976, p. 191; Exploration in B.C., 1975, pp. E 214, E 215; 1976, p. E 215; 1977, pp. E 263, E 264; 1978, p. E 303; 1979, p. 347.

ELK RIVER (Fig. E-1, NTS 82, No. 398)

LOCATION: Lat. 50° 24′ Long. 114° 56′ (82J/7W)
In the Elk River area between Aldridge and Cadorna Creeks.
LICENCES: C.L. Nos. 64, 65, 421 to 434, 481 to 489, 515, 771 to 779, 951 to 957.
OWNERS: Elco Mining Ltd., Stelco Inc., and Home Oil Co. Ltd.
OPERATOR: ELCO MINING LTD., 2800, 700 Second Street SW, Calgary, Alberta T2P 2W2.
DESCRIPTION: The coal-bearing Kootenay Group forms a north-northwesterly trending asymmetrical syncline with its axial plane dipping to the west.
WORK DONE: Rotary drilling, 39 rotary holes drilled to determine overburden.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in British Columbia, A Technical Appraisal, 1976, p. 189; Exploration in B.C., 1975, p. E 215; 1976, pp. E 215, E 216; 1977, pp. E 264, E 265; 1979, p. 348.


123°
122°
121°
120°
56°
55°
54°
ADAMS
WILLISTON LAKE
PEACE RIVER
PEACE RIVER CANYON
DOWLING CREEK
CARBON CREEK
SOUTH MOUNT GETHING
Moberly Lake
Moberly
FISHER CREEK
Pine River
PINE PASS
PINE RIVER
WEST BRAZION
SUKUNKA
BULLMOOSE
MOUNT SPIEKER
TUMBLER RIDGE
MOUNT REESOR
WOLVERINE
QUINTETTE
WAPITI
MONKMAN
Wapiti River
SECUS MOUNTAIN
Hook Lake
Wapiti Lake
BELCOURT
ONION LAKE
HANINGTON
N
MILES 5 0 5 10 15 20 MILES
KILOMETRES 5 0 5 10 15 20 25 30 KILOMETRES
AREAS UNDERLAIN BY COAL-BEARING STRATA
ALIENATED COAL RIGHTS

NORTHEAST COALFIELDS

COMPANY	PROPERTIES
B.P. EXPLORATION CANADA LTD	SUKUNKA
CROWS NEST RESOURCES LTD	SECUS MOUNTAIN ONION LAKE PINE PASS COAL PROJECT MOUNT REESOR ADAMS
CINNABAR PEAK MINES LTD	PEACE RIVER CANYON
DU PONT OF CANADA EXPLORATION LTD	WOLVERINE
DENISON MINES LTD	HANINGTON BELCOURT QUINTETTE
GULF CANADA RESOURCES INC	WAPITI FISHER CREEK
J R MacLEOD	PINE RIVER
NORCEN ENERGY RESOURCES LTD	PINE PASS PROJECT
PETRO CANADA EXPLORATION INC	MONKMAN
RANGER OIL (CANADA) LTD	MOUNT SPIEKER
TECK CORPORATION	BULLMOOSE WEST BRAZION
UTAH MINES LTD	BRI DOWLING CREEK SOUTH MOUNT GETHING NORTH CARBON CREEK

Figure E–6. Northeast (Peace River) British Columbia, coal properties location map.

NORTHEAST (PEACE RIVER) COALFIELD

SECUS MOUNTAIN (Fig. E-1, NTS 93, No. 177)

LOCATION: Lat. 54° 32′ Long. 120° 35′ (93I/7, 8)
Approximately 150 kilometres south of Dawson Creek.

LICENCES: C.L. Nos. 4201 to 4219, 4743 to 4748.

OWNER: Shell Canada Resources Ltd.

OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.

DESCRIPTION: The licences overlie strata of the Gething Formation and the Gates member of the Commotion Formation. The property is characterized by southwest-dipping strata. These strata are terminated by a west-dipping thrust fault which separates them from Upper Paleozoic sedimentary rocks at the southwestern edge of the property. The economic coal measures occur in the Gates member.

WORK DONE: Geological mapping, 1:5000.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 349.

MONKMAN (Fig. E-1, NTS 93, No. 171)

LOCATION: Lat. 54° 50′ Long. 121° 00′ (93I/7, 8, 10, 15)
Approximately 140 kilometres due south of Dawson Creek.

LICENCES: C.L. Nos. 3131 to 3135, 3138, 3139, 3141 to 3149, 3151 to 3155, 3157 to 3164, 3166 to 3168, 3170 to 3174, 3177 to 3184, 3187 to 3190, 3193, 3195 to 3207, 3209 to 3264, 3936 to 3960, 4518 to 4523, 5159 to 5170.

OWNERS: Petro-Canada Exploration Inc., Canadian Superior Exploration Ltd., and McIntyre Mines Ltd.

OPERATOR: PETRO–CANADA EXPLORATION INC., Box 2844, Calgary, Alberta T2P 2M7.

DESCRIPTION: The coal occurs in the Gething Formation and the Gates member of the Commotion Formation, the latter being the principal coal-bearing unit on the property. The structure is complex with intense northwesterly trending folding and faulting.

WORK DONE: Geological mapping, 1:5000; diamond drilling, 11 holes, totalling 1 861 metres; rotary drilling, 77 holes, totalling 9 964 metres; logging, gamma, neutron, density, caliper, and focused beam; adits, 3 adits, totalling 194 metres; sampling, samples taken from all of the diamond and some of the rotary drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 583-585; Exploration in B.C., 1975, pp. E 220, E 221; 1976, p. E 219; 1978, p. E 307; 1979, pp. 349, 351.

BELCOURT PROJECT (Fig. E-1, NTS 93, No. 166)

LOCATION: Lat. 54° 20′ Long. 120° 20′ (93I/8, 9, 10, 15)
Approximately 150 kilometres south of Dawson Creek.

LICENCES: C.L. Nos. 2822 to 2850, 3714 to 3736, 3738, 3739, 3741, 3742, 3745 to 3755, 3757, 3758, 3764 to 3779, 3781 to 3798, 3807, 3812, 3816 to 3818, 3821 to 3834, 3840, 3845, 3850, 3851, 3854, 3855, 4752, 4754, 5157, 5158, 6041, 6042, 6346 to 6368.

OWNERS: Gulf Oil Canada, Ltd. and Denison Mines Ltd.
OPERATOR: DENISON MINES LTD., Coal Division, Box 11575, 650 West Georgia Street, Vancouver V6B 4N7.
DESCRIPTION: The coal licences cover folded and faulted Lower Cretaceous strata situated along the northeastern limb of the Belcourt anticlinorium. The Gates member contains up to eight separate coal zones of mineable potential.
WORK DONE: Geological mapping, 1:2500; diamond drilling, 12 holes, totalling 3 825 metres; rotary drilling, 29 holes, totalling 3 399 metres; logging, gamma, neutron, and density; trenching, 4 trenches; adits, 2 adits totalling 108 metres; control, drill holes, and adits were surveyed; sampling, in drill holes.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, January 1977, pp. 46, 47; Exploration in B.C., 1975, p. E 220; 1976, pp. E 217, E 218; 1977, p. E 270; 1978, p. E 306; 1979, pp. 351, 352.

ONION LAKE (Fig. E-1, NTS 93, No. 173)

LOCATION: Lat. 54° 41' Long. 120° 53' (93I/10)
Approximately 125 kilometres south of Dawson Creek.
LICENCES: C.L. Nos. 4220 to 4223, 4749.
OWNER: Shell Canada Resources Ltd.
OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: The licences overlie a Lower Cretaceous sequence of sedimentary rocks from the Minnes Group to the coal-bearing Commotion Formation. The property covers a portion of the Onion syncline which plunges both northwest and southeast from the centre of the property.
WORK DONE: Geological mapping, 1:5000.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 352.

QUINTETTE PROJECT (Fig. E-1, NTS 93, No. 176)

LOCATION: Lat. 55° 01' Long. 121° 15' (93I/14, 15)
Approximately 100 kilometres southwest of Dawson Creek.
LICENCES: C.L. Nos. 4530 to 4543, 4755 to 4757.
OWNER: Quintette Coal Ltd.
OPERATOR: DENISON MINES LTD., 1500, 444 Fifth Avenue SW, Calgary, Alberta T2P 2T8.
DESCRIPTION: The licences overlie a complete sequence of Lower Cretaceous rocks. The Cadomin, Nikanassin, and Gething Formations are well exposed in the western half of the property. No bedrock is exposed in the eastern half. Two anticlinal structures are part of a major anticline with its axial plane at right angles to the trend of the valley.
WORK DONE: Rotary drilling, 1 hole, totalling 123 metres; logging, gamma, neutron, density, and caliper; adits, 2 adits, totalling 154 metres.
REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, January, 1977, pp. 37-42; Coal in British Columbia, A Technical Appraisal, 1976, pp. 164-167; Exploration in B.C., 1976, p. E 219; 1977, pp. E 270, E 271; 1979, p. 352.

BRI–DOWLING CREEK (Fig. E-1, NTS 93, No. 167)

LOCATION: Lat. 55° 57′ Long. 122° 18′ (93O/6)
Three kilometres southwest from the W.A.C. Bennett Dam.

LICENCES: C.L. Nos. 3642 to 3654, 5174, 5175.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The licences overlie rocks of the Lower Cretaceous Bullhead and Fort St. John Groups. The coal-bearing Gething Formation is the oldest unit outcropping on the property which lies between the axes of a northerly trending syncline to the east and a roughly parallel anticline to the west. The fold axes plunge gently southwards. There is some gentle broad folding in the area. Faulting is not a prominent structural feature.

WORK DONE: Geological mapping, 1:10 000; diamond drilling, 16 holes, totalling 3 300 metres; rotary drilling, 13 holes, totalling 308 metres; logging, gamma, density, and resistivity; refraction and seismic survey; sampling, samples taken from drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, January, 1977, pp. 19, 20; Exploration in B.C., 1977, pp. E 273, E 274; 1978, p. E 208; 1979, pp. 354, 355.

GOODRICH (Fig. E-1, NTS 93, No. 170)

LOCATION: Lat. 55° 35′ Long. 122° 25′ (93O/8, 9, 10, 15, 16)
Approximately 60 kilometres west of Chetwynd.

LICENCES: C.L. Nos. 4750 to 4751, 5521 to 5632, 5670 to 5739, 5742 to 5769, 5778 to 5783, 5800 to 5828.

OWNER: GULF CANADA RESOURCES INC., Coal Division, Box 130, Calgary, Alberta T2P 2H7.

DESCRIPTION: The licences cover sedimentary rocks ranging in age from Upper Jurassic to Lower Cretaceous. Structural features, faulting and folding, trend in a northwesterly direction.

WORK DONE: Geological mapping, 1:10 000, 1:25 000; diamond drilling, 18 holes, totalling 5 326 metres; rotary drilling, 12 holes, totalling 3 604 metres; logging, gamma, neutron, density, focused beam, and deviation; trenching, 197 trenches; sampling, samples taken from drill holes.

FALLING CREEK (Fig. E-1, NTS 93, No. 188)

LOCATION: Lat. 55° 25′ Long. 122° 00′ (93O/9; 93P/4, 5)
Fifty kilometres southwest of Chetwynd.

LICENCES: C.L. Nos. 6370 to 6428.

OWNER: ESSO RESOURCES CANADA LTD., Coal Division, 237 Fourth Avenue SW, Calgary, Alberta T2P 0H6.

DESCRIPTION: Most of the property is underlain by the Gething Formation. Structurally, the area is dominated by many closely spaced tight folds. There are several westerly dipping thrust faults with moderate displacement and many transverse faults with small displacements.

WORK DONE: Geological mapping, 1:10 000; rotary drilling, 1 hole, totalling 251 metres; logging, gamma, neutron, and density; sampling, samples taken from drill holes.

PINE PASS PROJECT (Fig. E-1, NTS 93, No. 185)

LOCATION: Lat. 55° 32′ Long. 122° 07′ (93O/9)
Seventy kilometres west of Chetwynd.
LICENCES: C.L. Nos. 6243 to 6276.
OWNER: Shell Canada Resources Ltd.
OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: The area is underlain by the Cadomin and Gething Formations of the Bullhead Group and by the Moosebar Formation of the Fort St. John Group. The main coal-bearing horizon is the Gething Formation.
WORK DONE: Geological mapping, 1:2000, 1:10 000; trenching, 30 trenches, totalling 3 434 metres; photogrammetric mapping and location surveys.
REFERENCES: *Minister of Mines, B.C.*, Ann. Rept., 1968, p. 467; *B.C. Ministry of Energy, Mines & Pet. Res.*, Bull. 46, pp. 7-15; Bull. 52, p. 87; GEM, 1974, p. 423; Exploration in B.C., 1979, p. 353.

WILLOW CREEK (PINE RIVER) (Fig. E-1, NTS 93, No. 184)

LOCATION: Lat. 55° 36′ Long. 122° 14′ (93O/9)
Thirty-eight kilometres west of Chetwynd.
LICENCES: C.L. Nos. 3986 to 3993.
OWNER: J. W. MacLeod.
OPERATOR: SEMPER RESOURCES INC., 1012, 475 Howe Street, Vancouver V6C 2B3.
DESCRIPTION: The licences overlie the northern part of the Willow Creek anticlinorium and are underlain mostly by rocks of the Lower Cretaceous Gething Formation. A small gentle fold on the east limb is indicated.
WORK DONE: Geological mapping, 1:5000; diamond drilling, 12 holes, totalling 3 008 metres; logging, gamma, neutron, density, caliper, focused beam, and directional; trenching, 7 trenches, totalling 1 835 metres; sampling, samples taken from drill holes.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, pp. 353, 354.

FIVE CABIN CREEK (Fig. E-1, NTS 93, No. 183)

LOCATION: Lat. 54° 51′ Long. 121° 01′ (93I/14, 15)
Thirty kilometres south of Tumbler Ridge.
LICENCES: C.L. Nos. 6137 to 6143.
OWNER: Shell Canada Resources Ltd.
OPERATOR: CROWS NEST RESOURCES LTD., Box 100, Calgary, Alberta T2P 2H5.
DESCRIPTION: A large portion of the licences covers a complete section of the Gething and Commotion Formations. The sedimentary rocks are folded into a broad syncline, the major structure immediately west of the Quintette property.
WORK DONE: Geological mapping, 1:20 000.

WEST CARBON CREEK (Fig. E-1, NTS 93, No. 169)

LOCATION: Lat. 55° 57′ Long. 122° 50′ (93O/15)
Approximately 38 kilometres west of the W.A.C. Bennett Dam.
LICENCES: C.L. Nos. 4104 to 4123, 5171 to 5173.
OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6E 3S7.

DESCRIPTION: The property is underlain by folded and faulted Minnes Group sedimentary rocks of Upper Jurassic to Lower Cretaceous age. Coals found on the property occur in the Gething Formation.

WORK DONE: Geological mapping, 1:10 000; wireline drilling, 3 holes, totalling 618 metres; logging, gamma, neutron, density, and resistivity; sampling, samples taken from drill holes.

TREFI COAL PROJECT (Fig. E-1, NTS 93, No. 182)

LOCATION: Lat. 55° 30′ Long. 121° 50′ (93O/16, 9; 93P/12, 5)
Twenty-seven kilometres west of Chetwynd.

LICENCES: C.L. Nos. 5840 to 6038, 6046 to 6079, 6144 to 6159.

OWNER: GULF CANADA RESOURCES INC., Coal Division, Box 130, Calgary, Alberta T2P 2H7.

DESCRIPTION: The coal measures are found in the Walton member of the Lower Cretaceous Commotion Formation. The Pine River anticline bounds the western edge of the property. South of Highhat Mountain the structure becomes more complex.

WORK DONE: Geological mapping, 1:10 000; diamond drilling, 3 holes, totalling 641 metres; rotary drilling, 12 holes, totalling 2 554 metres; logging, gamma, neutron, density, caliper, and restistivity; sampling, samples taken from drill holes.

PEACE RIVER CANYON (Fig. E-1, NTS 93, No. 174)

LOCATION: Lat. 55° 56′ Long. 122° 08′ (93O/16)
Approximately 24 kilometres southwest of Hudson's Hope.

LICENCES: C.L. Nos. 3407 to 3444.

OWNER: CINNIBAR PEAK MINES LTD., 10549 110 Street, Edmonton, Alberta T5H 3C6.

DESCRIPTION: The licences overlie the Gething Formation in which the coal seams occur. The property lies on a southerly plunging anticline. In places, a total of 13 metres of coal occurs in a 130-metre vertical succession stratum but the seams are generally thin and variable. The Trojan, the thickest and most continuous seam, is up to 3 metres thick and is relatively free of partings.

WORK DONE: Diamond drilling, 6 holes, totalling 979 metres; logging, neutron, density, gamma, caliper, resistivity; sampling, samples taken from drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Coal in British Columbia, A Technical Appraisal, 1976, pp. 200, 201; GEM, 1972, p. 642; 1973, p. 588; Exploration in B.C., 1979, p. 354.

SOUTH MOUNT GETHING (Fig. E-1, NTS 93, No. 178)

LOCATION: Lat. 55° 58′ Long. 122° 25′ (93O/16, 94B/1)
Sixty kilometres northwest of Chetwynd.

LICENCES: C.L. Nos. 4129 to 4152.

OWNER: UTAH MINES LTD., 1600, 1050 West Pender Street, Vancouver V6C 3S7.

DESCRIPTION: The licences overlie sedimentary rocks of the Minnes and Bullhead Groups. These rocks have been folded into a broad, south-plunging syncline. Faulting is not a prominent feature in the area, except for one thrust fault. Minor folding is present.

WORK DONE: Geological mapping, 1:10 000; diamond drilling, 2 holes, totalling 354 metres; rotary drilling, 27 holes, totalling 1 151 metres; logging, gamma, neutron, density, and resistivity.

REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 355.

MOUNT SPIEKER (Fig. E-1, NTS 93, No. 172)

LOCATION: Lat. 55° 10′ Long. 121° 22′ (93P/3)
Approximately 65 kilometres south of Chetwynd.

LICENCES: C.L. Nos. 3027, 3030, 3032, 3034 to 3037, 3039 to 3042, 3044 to 3047, 3050 to 3060, 3049.

OWNER: RANGER OIL LTD., 26th Floor, 330 Fifth Avenue SW, Calgary, Alberta.

DESCRIPTION: The area is underlain by the Gething Formation and the Gates member of the Commotion Formation. Moderate deformation has taken place and the southwest portion is folded into a broad northwest-trending syncline. The northeast portion is separated from the southwest by a local anticlinal structure; the angles of dip do not exceed 10 degrees. Coal is found in both the Gates member and the Gething Formation; the coal seams are better developed in the former.

WORK DONE: Diamond drilling, 7 holes, totalling 1 205 metres; logging, gamma, neutron, caliper, focused beam; adits, 4 adits, totalling 185.5 metres; holes and adits were surveyed; sampling, samples taken from drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, January, 1977, pp. 35, 36; Exploration in B.C., 1975, p. E 224; 1976, p. E 221; 1977, p. E 271; 1978, pp. E 308, E 309; 1979, p. 356.

WINDFALL (Fig. E-1, NTS 93, No. 181)

LOCATION: Lat. 55° 10′ Long. 121° 45′ (93P/4)
Approximately 70 kilometres south of Chetwynd.

LICENCES: C.L. Nos. 5635 to 5669, 5770 to 5777.

OWNER: GULF CANADA RESOURCES INC., Box 130, Calgary, Alberta T2P 2H7.

DESCRIPTION: The licences overlie the Minnes Group. The thickness of the Minnes Group in the Windfall block cannot be measured at the surface since the whole of the group is not exposed anywhere. Structures trend in a northwesterly direction. The most prominent features are a major synclinorium and an adjacent major anticline located to the west of the syncline.

WORK DONE: Geological mapping 1:25 000; and aerial photography to produce topographical base maps.

SUKUNKA PROPERTY (Fig. E-1, NTS 93, No. 179)

LOCATION: Lat. 55° 11′ Long. 121° 31′ (93P/3, 4, 5)
Sixty kilometres south of Chetwynd, on the west slope of Bullmoose Mountain.

LICENCES: C.L. Nos. 3014 to 3023, 3025, 3026, 3028, 3033, 3038, 3089 to 3129, 3554 to 3557, 3559.

OWNER: BP EXPLORATION CANADA LTD., Coal Division, 333 Fifth Avenue SW, Calgary, Alberta T2P 3B6.

DESCRIPTION: The licences overlie early Cretaceous rocks. The coal measures of interest are in the Gething Formation. Structurally, the Gething strata lie within a broad syncline bordered on the northeast by the Bullmoose fault complex. Two major thrust faults have dislocated the strata into three blocks.

WORK DONE: Diamond drilling, 5 holes, totalling 1 258.5 metres; logging, gamma, neutron, and density; trenching, 60 trenches, totalling 89 metres; sampling, samples taken from drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Northeast Coal Study, Report on Coal Resource Evaluation Studies, January, 1977, pp. 26-30; Coal in British Columbia, A Technical Appraisal, 1976, pp. 162, 163; Exploration in B.C., 1975, p. E 226; 1977, pp. E 272, E 273; 1978, p. E 300; 1979, pp. 357, 358.

BURNT RIVER PROJECT (Fig. E-1, NTS 93, No. 168)

LOCATION: Lat. 55° 20′ Long. 121° 50′ (93P/5)
On Burnt and North Burnt Rivers, 9 kilometres west of the Sukunka River.

LICENCES: C.L. Nos. 4524 to 4529.

OWNERS: Teck Corp. and Amalgamated Brameda-Yukon Ltd.

OPERATOR: TECK CORP., 1199 West Hastings Street, Vancouver.

DESCRIPTION: The licences are underlain by Lower Cretaceous sedimentary rocks which lie along a prominent north-west structural trend. These sedimentary rocks tend to be tightly folded and are, for the most part, heavily faulted. A number of northwest-trending faults have been interpreted from air photographs.

WORK DONE: Geological mapping, 1:10 000; diamond drilling, 38 holes, totalling 3 143 metres; rotary drilling, 27 Winkie holes, totalling 692 metres; logging, gamma, neutron, and density; adits, 2 adits, totalling 65.85 metres; UTM survey grid; controls established for aerial photography; sampling, samples taken from drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1971, pp. 498, 499; Exploration in B.C., 1977, p. E 273; 1978, p. E 310.

PINE PASS PROJECT (Fig. E-1, NTS 93, No. 175)

LOCATION: Lat. 55° 30′ Long. 122° 07′ (93P/5, 93O/8, 9)
Thirty-five kilometres southwest of Chetwynd.

LICENCES: C.L. Nos. 2930, 2941, 2942, 2944 to 2950, 3570, 3579, 3580, 3711, 3712, 6045.

OWNER: Pan Ocean Oil Ltd. and Norcen Energy Resources Ltd.

OPERATOR: NORCEN ENERGY RESOURCES LTD., 715 Fifth Avenue SW, Calgary, Alberta T2P 2X7.

DESCRIPTION: The licences overlie Lower Cretaceous rocks. The western side of the property is bounded by a major thrust fault which thrusts the Cadomin and older formations over the younger coal-bearing Gething Formation. The area is tightly folded. The coal seams are located in the Gething Formation.

WORK DONE: Diamond drilling, 3 holes, totalling 1 248 metres; logging, gamma, neutron, and density; sampling, samples taken from drill holes.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, GEM, 1973, pp. 587, 588; Exploration in B.C., 1975, p. E 227; 1979, pp. 358, 359.

WAPITI (Fig. E-1, NTS 93, No. 180)

LOCATION: Lat. 55° 32′ Long. 120° 15′ (93P/7)
Twenty-two kilometres south of Dawson Creek.
LICENCES: C.L. Nos. 4972 to 4974, 4976 to 4984, 4993, 4998, 5002, 5003, 5007, 5008, 5049, 5054, 5070 to 5072, 5358 to 5360, 5376, 5377, 6525 to 6527.
OWNER: GULF CANADA RESOURCES INC., Coal Division, Box 130, Calgary, Alberta T2P 2H7.
DESCRIPTION: The licences overly Upper Cretaceous strata. Coal measures occur in the Wapiti Formation. Structural disturbance in the area is minimal. Generally, a series of open folds trend roughly northwest to southeast and plunge gently to the southeast.
WORK DONE: Rotary drilling, 29 holes, totalling 1 972 metres; logging, gamma, neutron, density, and caliper; adits, 2 adits, totalling 85 metres; some sampling.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 359.

GROUNDHOG COALFIELD

GROUNDHOG (Fig. E-1, NTS 104, No. 191)

LOCATION: Lat. 56° 52′ Long. 128° 19′ (104A/16W)
One hundred and eighty kilometres north of Hazelton.
LICENCES: C.L. Nos. 4395, 4400, 4460.
OWNER: Groundhog Coal Ltd.
OPERATOR: KERR, DAWSON & ASSOCIATES LTD., 1, 219 Victoria Street, Kamloops.
DESCRIPTION: The coalfields are located in the southeastern portion of the Bowser Basin and consist of an assemblage of deltaic and basin sedimentary rocks of the Upper Jurassic and Lower Cretaceous age.
WORK DONE: Geological mapping, 1:10 000; sampling.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 362.

GROUNDHOG (Fig. E-1, NTS 104, No. 192)

LOCATION: Lat. 56° 50′ Long. 128° 15′ (104A/16W, 15E)
Approximately 150 kilometres northeast of Stewart.
LICENCES: C.L. Nos. 6131 to 6136.
OWNER: Groundhog Coal Ltd.
OPERATOR: L. G. SCOTT, 40 Whittlesey Street, Kitimat V8C 1J8.
DESCRIPTION: The licences overlie sedimentary rocks of the Bowser Basin. Structurally, folding and related faulting are the dominant types of deformation seen in the area. The coal licence area forms a synclinal basin with the axis running parallel to the Skeena River. The basin plunges gently to the southeast. Coal occurrences are found in the Skeena Group.
WORK DONE: Geological mapping, 1:10 000; sampling.
REFERENCE: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 362.

SUSTUT (Fig. E-1, NTS 94, No. 137)

LOCATION: Lat. 56° 28' Long. 126° 52' (94D/7W, 10W, 11E)
Approximately 170 kilometres north-northeast of Smithers.

LICENCES: C.L. Nos. 5469 to 5474, 5476 to 5480, 5482 to 5483.

OWNER: GULF CANADA RESOURCES INC., Box 130, 401 Ninth Avenue SW, Calgary, Alberta T2P 2H7.

DESCRIPTION: The Sustut licence area is underlain by the Upper Jurassic-Lower Cretaceous sedimentary rocks of the Bowser Lake Group. Folding and faulting occurs in the area.

WORK DONE: Geological mapping, 1:10 000; trenching, 35 metres; topographic survey.

PANORAMA COAL PROJECT (Fig. E-1, NTS 104, No. 193)

LOCATION: Lat. 56° 44' Long. 128° 24' (104A/9, 15, 16)
Approximately 234 air kilometres north of Smithers.

LICENCES: C.L. Nos. 5484 to 5520.

OWNER: GULF CANADA RESOURCES INC., Box 130, 401 Ninth Avenue SW, Calgary, Alberta T2P 2H7.

DESCRIPTION: The Panorama licence area is underlain by Lower to Middle Cretaceous sedimentary rocks of the Skeena Group. The Skeena Group is divided into four units named the Panorama, Groundhog, Malloch, and Rhondda sequences. The major coal development lies within the Groundhog sequence, which contains a total of 8 seams in excess of 0.5 metres in thickness. Intense deformation has resulted in complex folding and some related faulting.

WORK DONE: Geological mapping, 1:10 000; trenching, 42 trenches, totalling 276 metres; topographical survey.

TUYA RIVER COALFIELD

THUNDERCLOUD COAL PROJECT (Fig. E-1, NTS 104, No. 194)

LOCATION: Lat. 58° 15' Long. 130° 45' (104J/2, 7)
Approximately 46 kilometres southwest of Dease Lake.

LICENCES: C.L. Nos. 4550 to 4558, 5310 to 5312.

OWNER: PETRO-CANADA EXPLORATION INC., Box 2844, Calgary, Alberta T2P 2M7.

DESCRIPTION: The licences overlie Upper Cretaceous to Late Tertiary sedimentary and volcanic rocks. Seven different coal seams can be recognized in the Sustut Group within the Thundercloud property. The area appears to have been extensively block faulted. The major lineaments run roughly north-south with a secondary set running northeast-southwest. The Sustut strata dip generally between 20 and 30 degrees to the east, displaced by at least two normal faults apart from the major bounding faults.

WORK DONE: Geological mapping 1:10 000; diamond drilling, 6 holes, totalling 789.44 metres; logging, gamma and neutron on 2 of the holes; sampling.

REFERENCES: *B.C. Ministry of Energy, Mines & Pet. Res.*, Exploration in B.C., 1979, p. 363.

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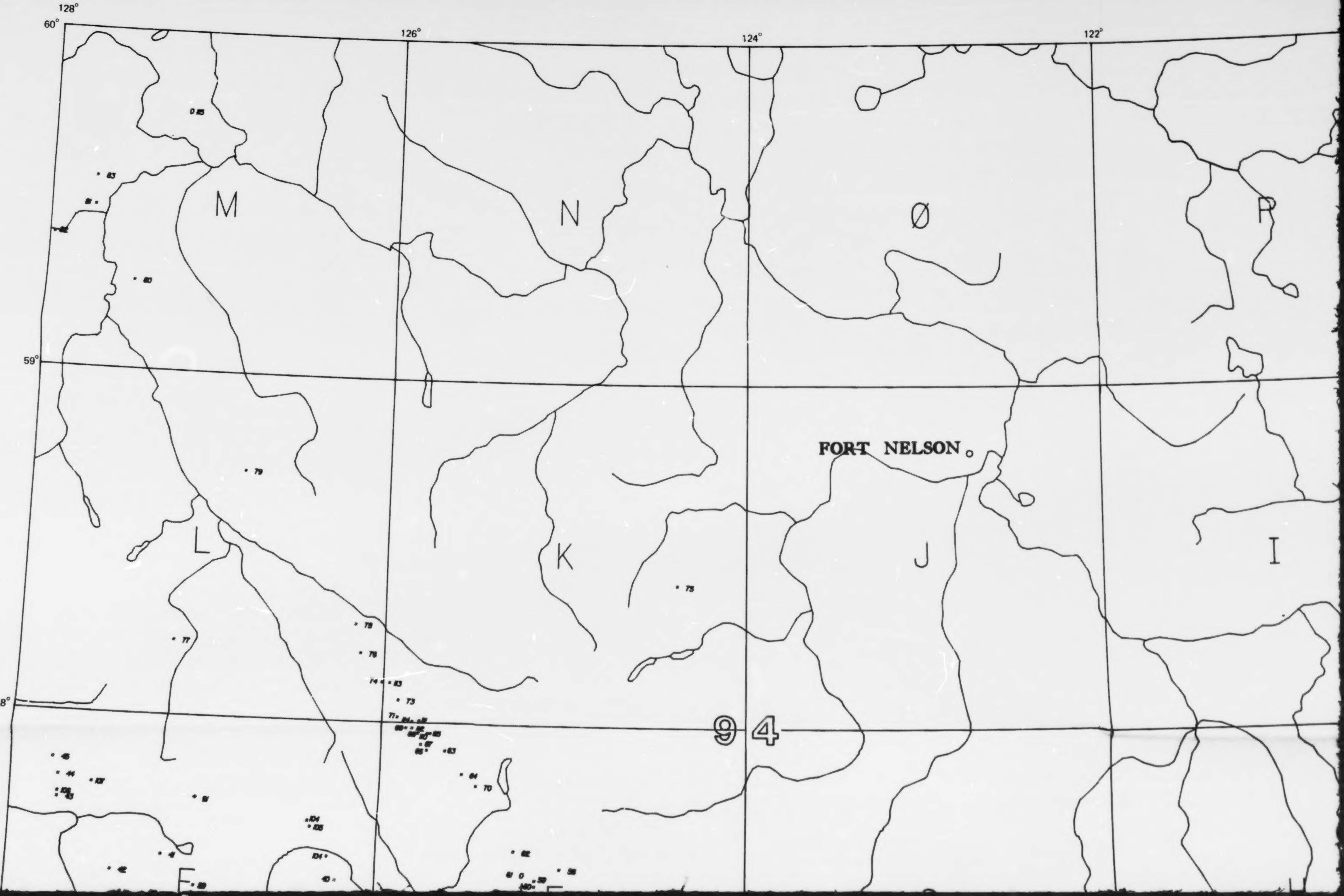
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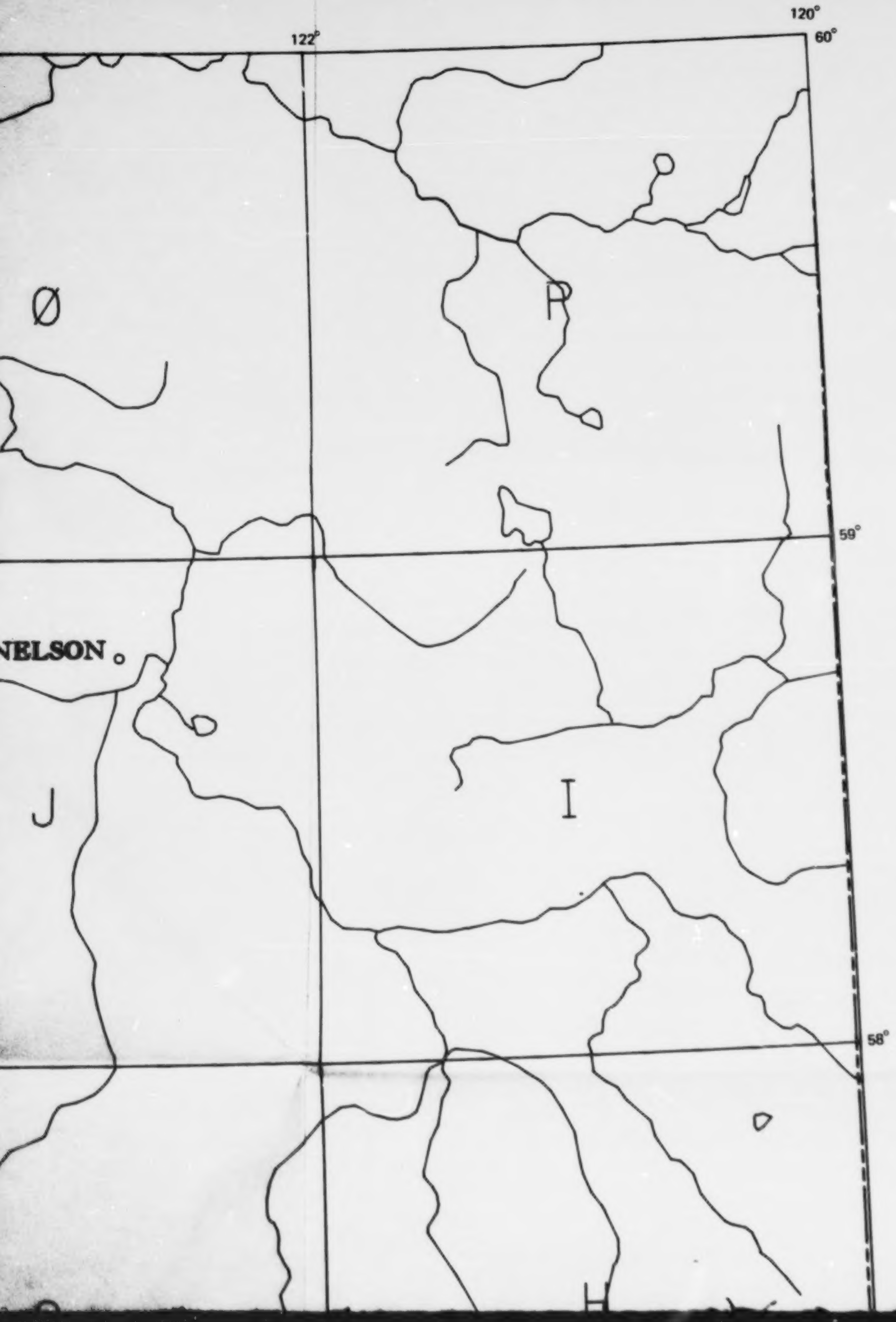

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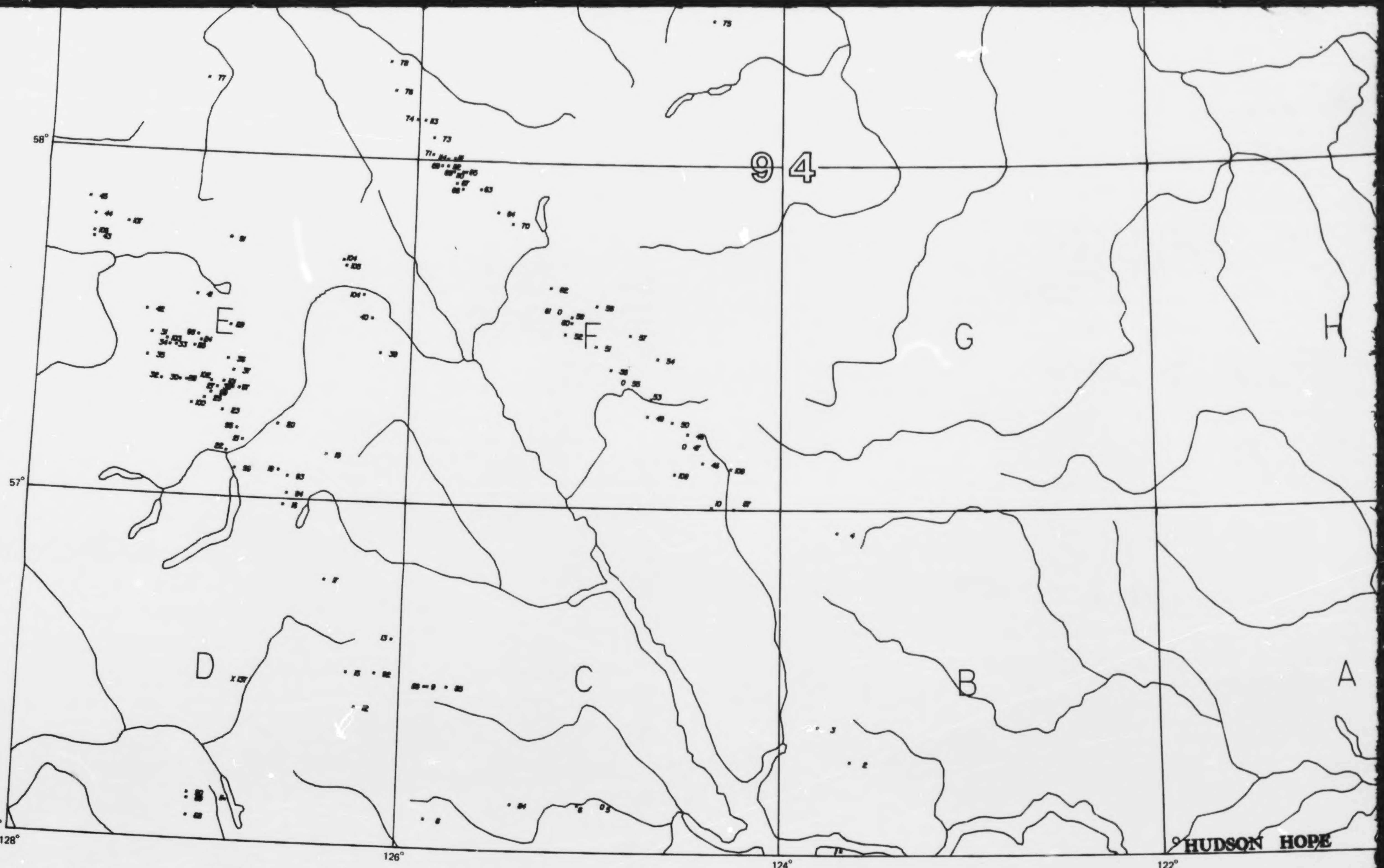
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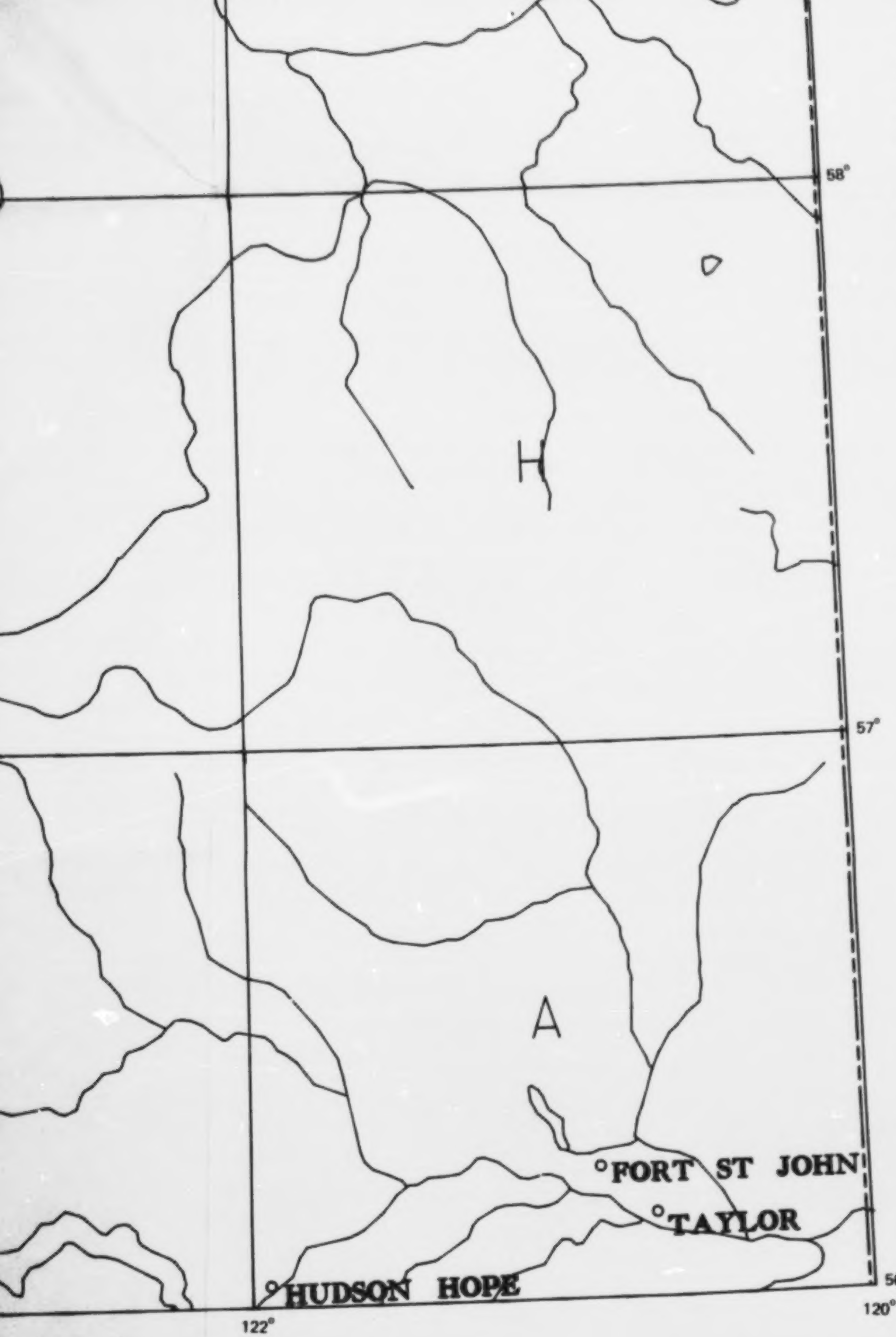
HUDSON HOPE

To accompany *Exploration in British Columbia, 1980*, Ministry of Energy, Mines and Petroleum Resources



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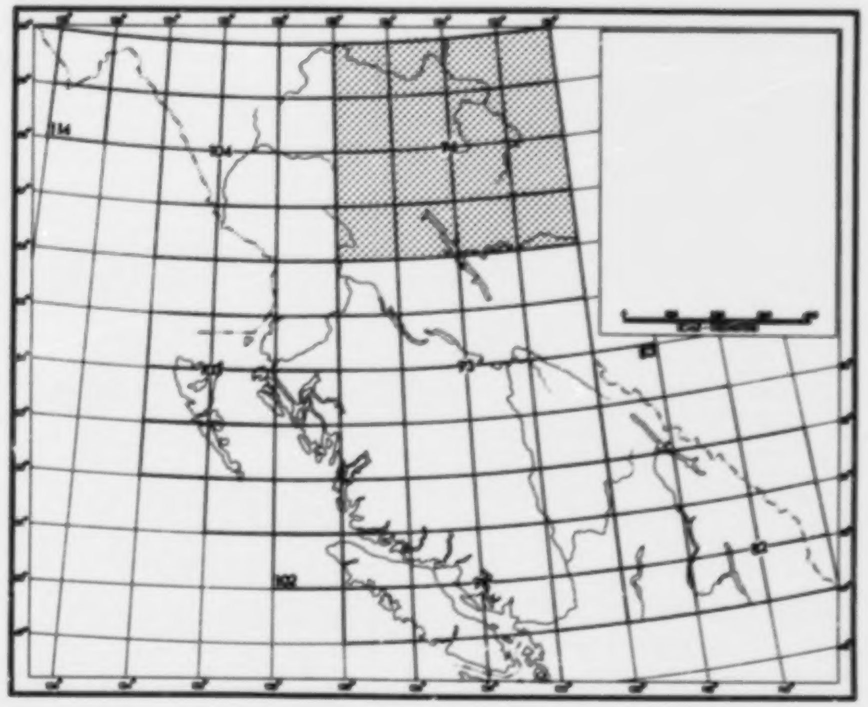


FIGURE E–1

EXPLORATION IN BRITISH COLUMBIA, 1980

INDEX MAP OF PROPERTIES, NORTHEAST BRITISH COLUMBIA
NTS DIVISION 94

SCALE 1:1 000 000

Kilometres 10 5 0 10 20 30 40 50 60 70 80 90 100 110
1 Millimetre = 1 Kilometre

METALS EXPLORATION ....

STRUCTURAL MATERIALS AND
INDUSTRIAL MINERALS EXPLORATION 0 5

COAL EXPLORATION ....

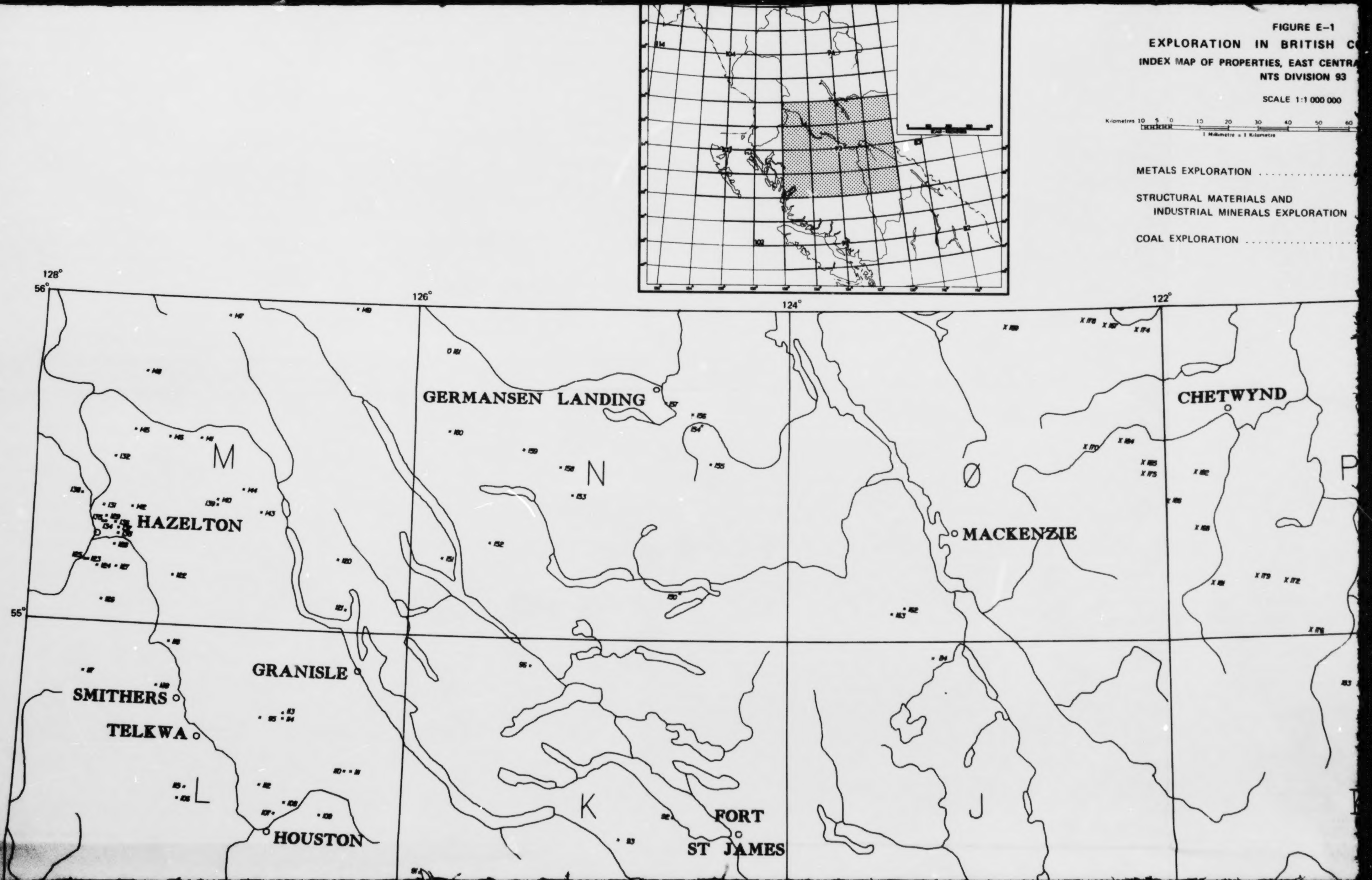
FIGURE E–1

EXPLORATION IN BRITISH C

INDEX MAP OF PROPERTIES, EAST CENTRA

NTS DIVISION 93

SCALE 1:1 000 000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1 Millimetre = 1 Kilometre
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COAL EXPLORATION
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124°
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CHETWYND
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HAZELTON
MACKENZIE
GRANISLE
SMITHERS
TELKWA
L
K
J
FORT ST JAMES
HOUSTON

FIGURE E-1

EXPLORATION IN BRITISH COLUMBIA, 1980

INDEX MAP OF PROPERTIES, EAST CENTRAL BRITISH COLUMBIA
NTS DIVISION 93

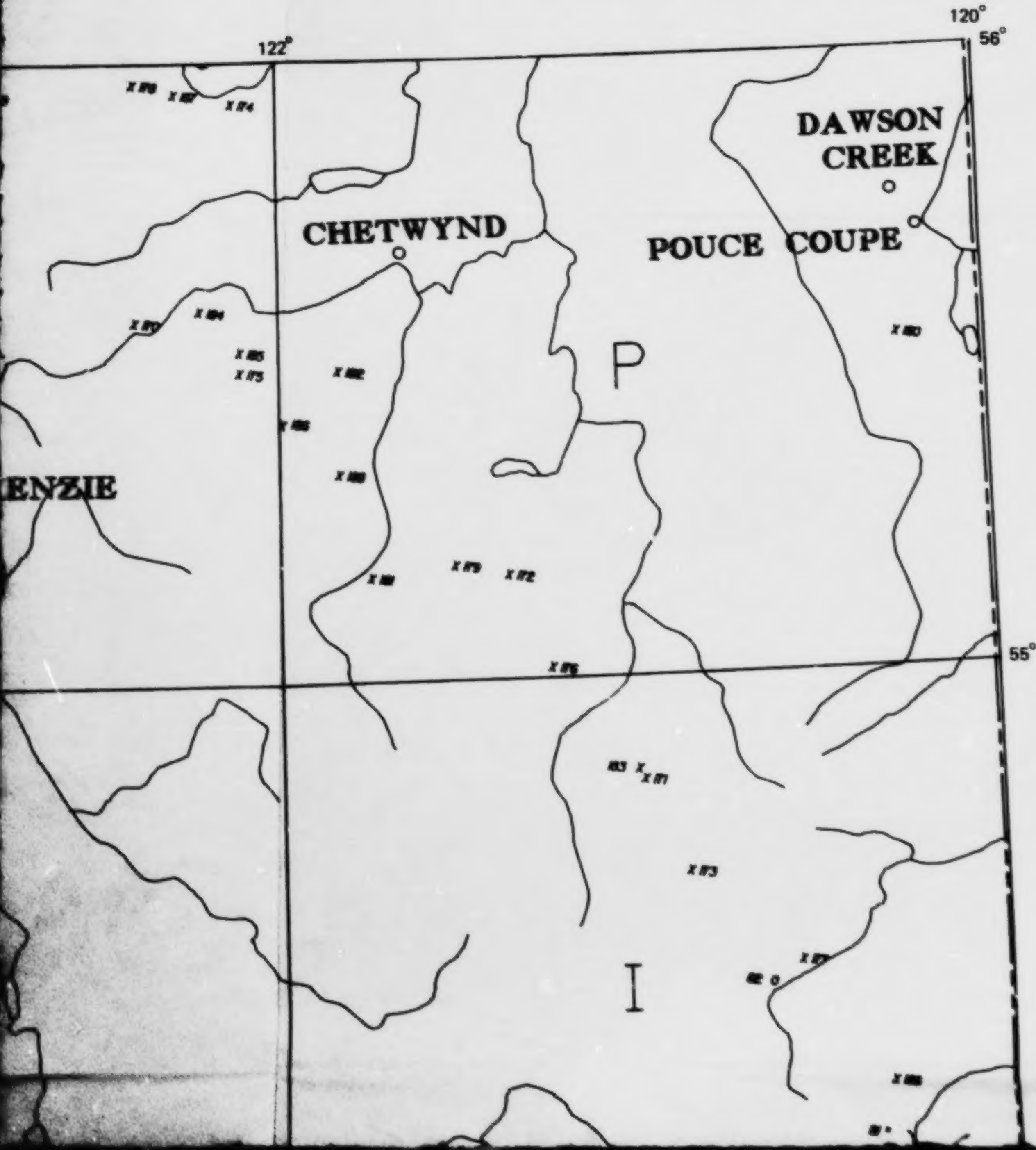
SCALE 1:1 000 000

Kilometres 10 5 0 10 20 30 40 50 60 70 80 90 100 110
1 Millimetre = 1 Kilometre

METALS EXPLORATION .... • 50

STRUCTURAL MATERIALS AND
INDUSTRIAL MINERALS EXPLORATION .... ○ [illegible]

COAL EXPLORATION .... x [illegible]



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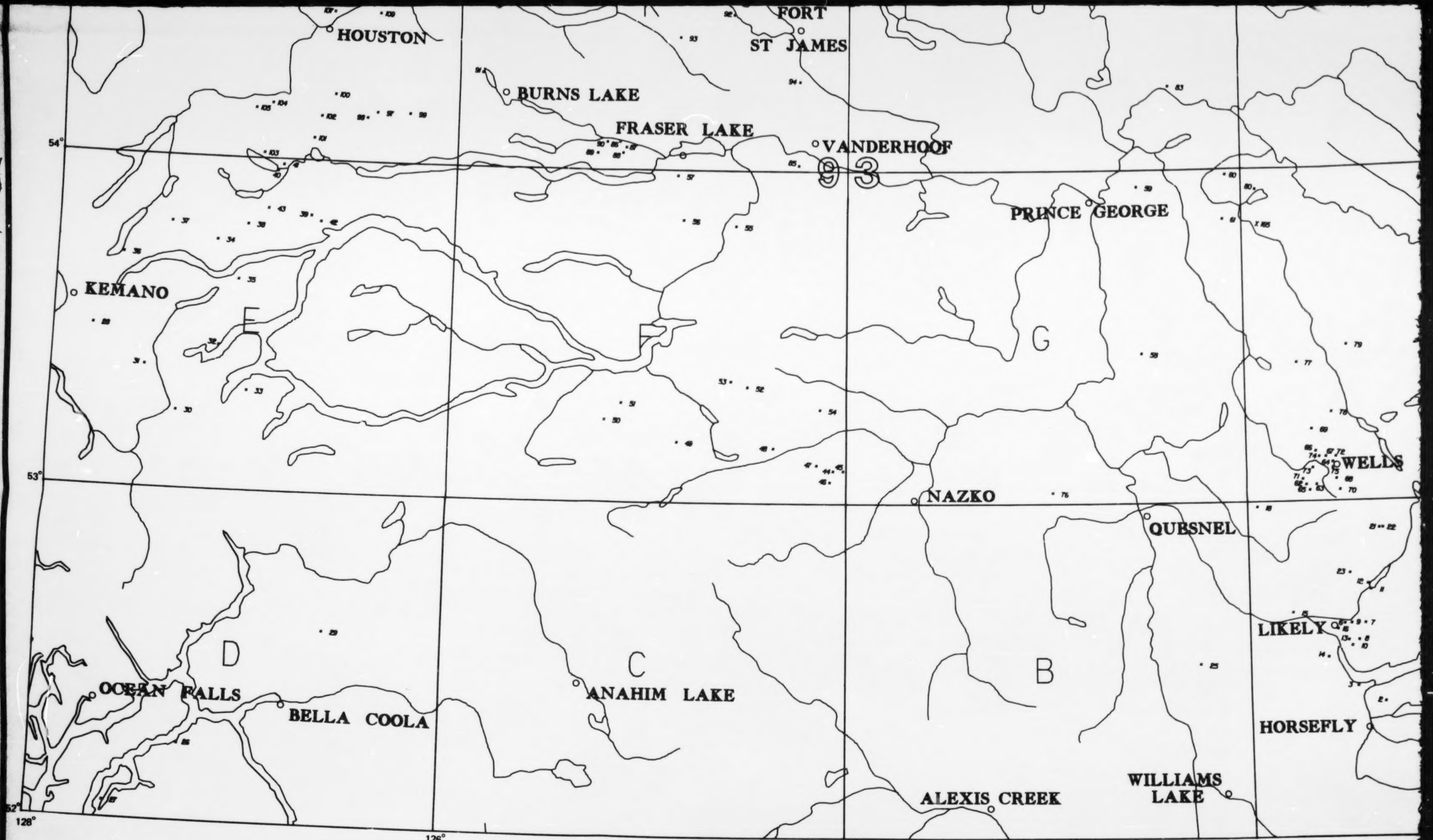
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NAZKO
QUESNEL
LIKELY
HORSEFLY
D
C
B
OCEAN FALLS
BELLA COOLA
ANAHIM LAKE
ALEXIS CREEK
WILLIAMS LAKE
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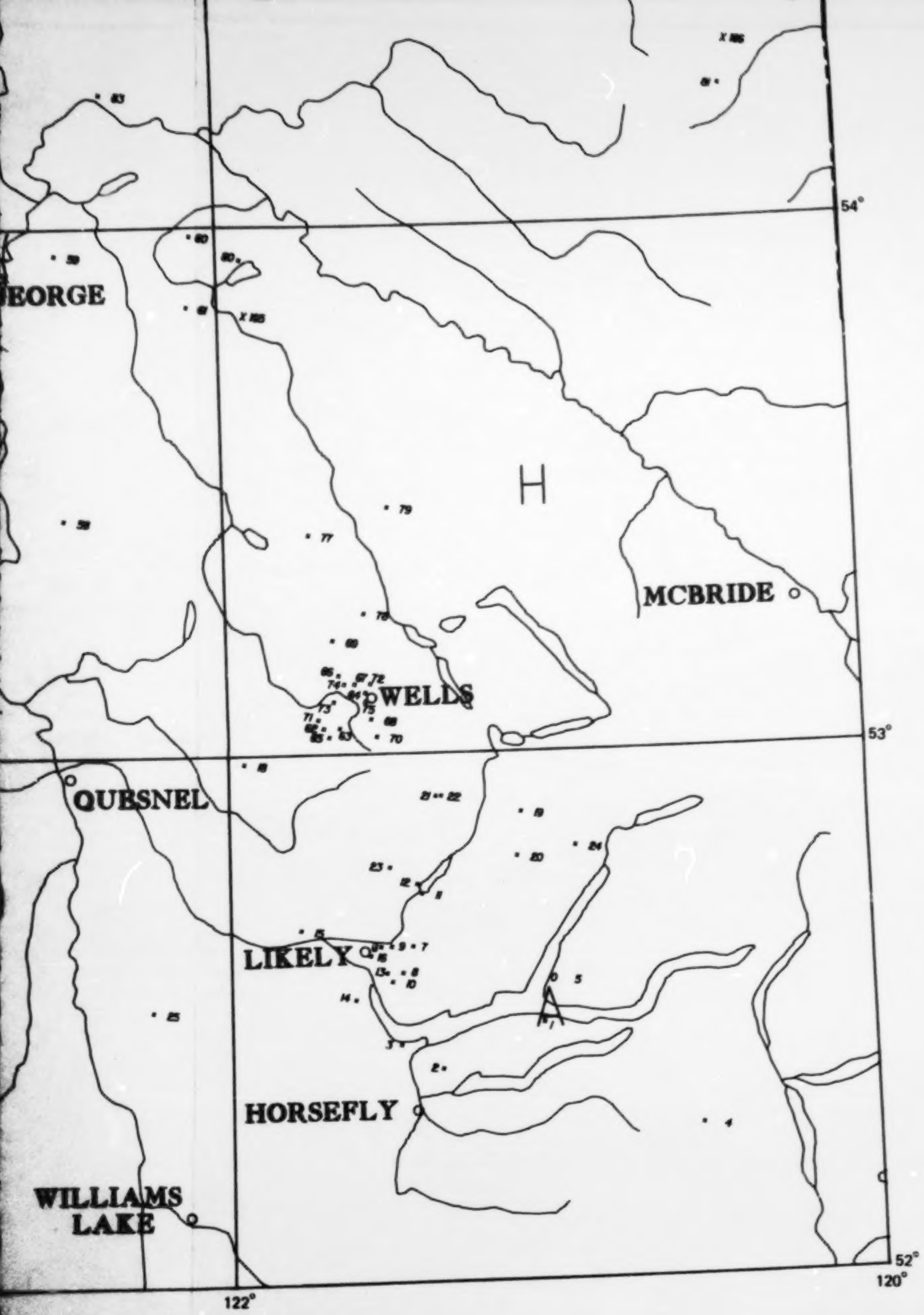
To accompany *Exploration in British Columbia, 1980,* Ministry of Energy, Mines and Petroleum Resources



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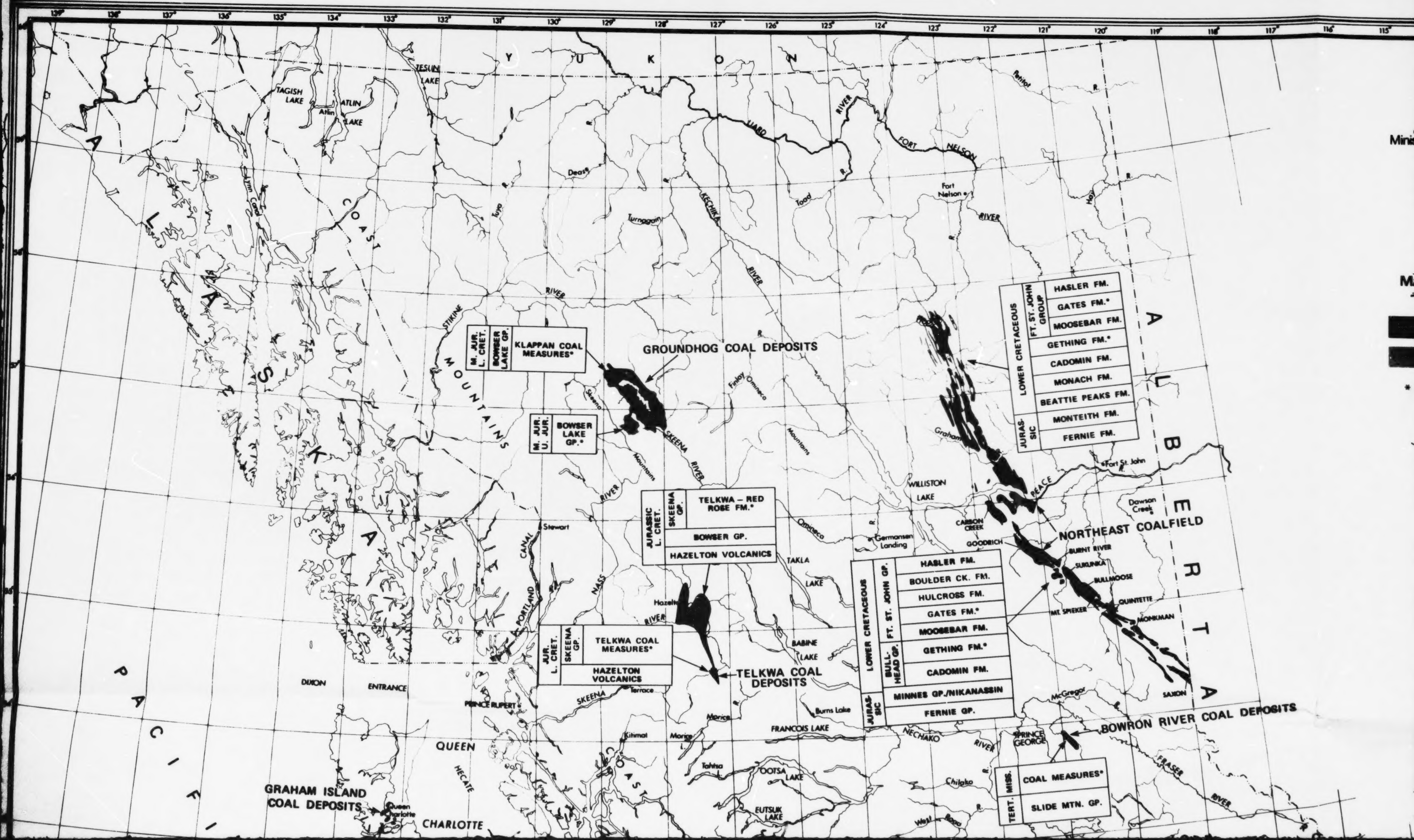
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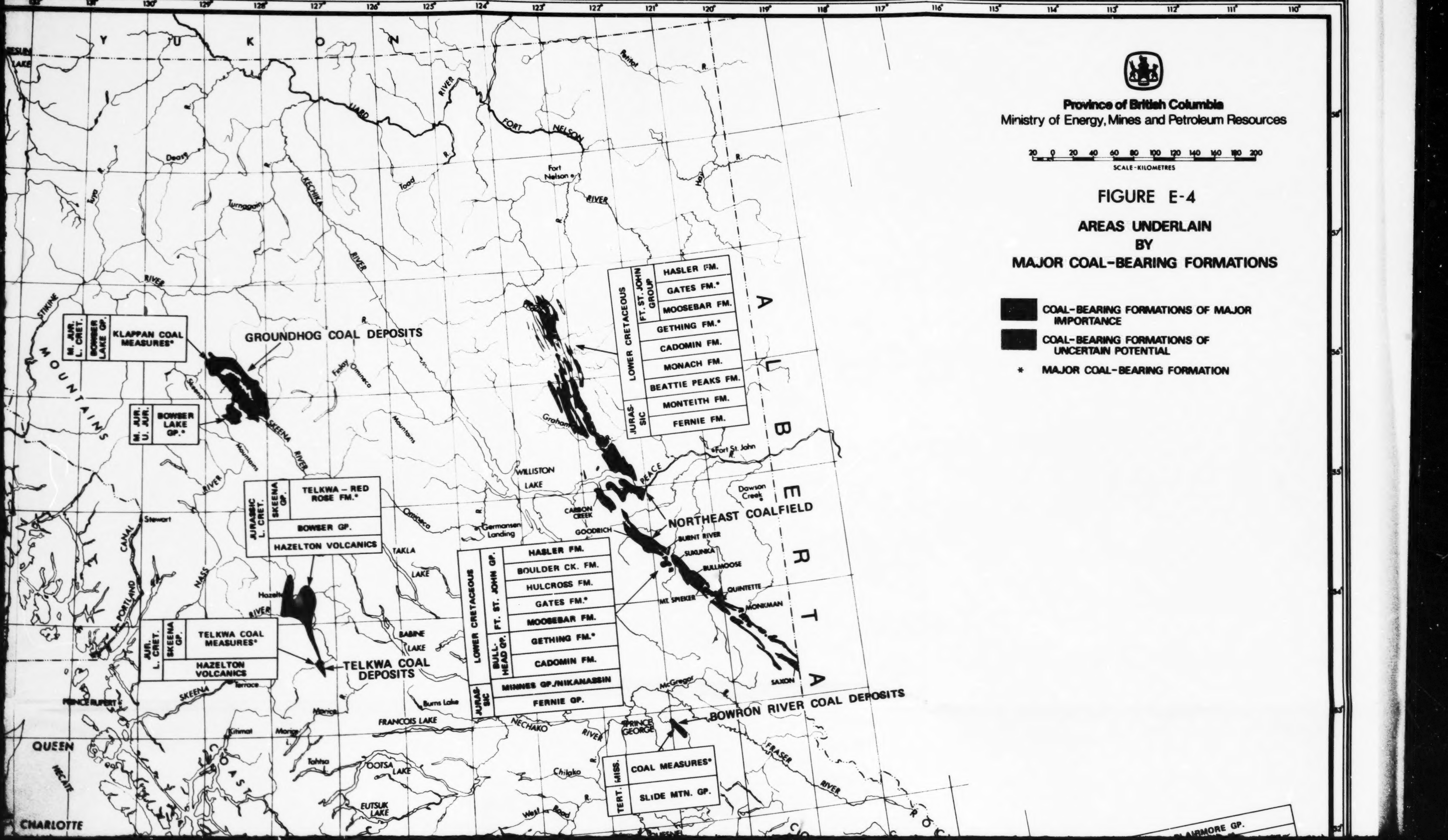
TAGISH LAKE
Atlin
ATLIN LAKE
A L A S K A
Lynn Canal
COAST MOUNTAINS
Dease R.
Tuya R.
Turnagain
KECHIKA RIVER
LIARD RIVER
Toad R.
FORT NELSON RIVER
Fort Nelson
Petitot R.
Hay R.
STIKINE RIVER
M. JUR. L. CRET. | BOWSER LAKE GP. | KLAPPAN COAL MEASURES*
GROUNDHOG COAL DEPOSITS
M. JUR. U. JUR. | BOWSER LAKE GP.*
Skeena
SKEENA RIVER
Skeena Mountains
Finlay
Omineca
Mountains
LOWER CRETACEOUS | FT. ST. JOHN GROUP | HASLER FM.
GATES FM.*
MOOSEBAR FM.
GETHING FM.*
CADOMIN FM.
MONACH FM.
BEATTIE PEAKS FM.
JURASSIC | MONTEITH FM.
FERNIE FM.
A L B E R T A
Graham
PEACE
Fort St. John
Dawson Creek
WILLISTON LAKE
CARBON CREEK
GOODRICH
NORTHEAST COALFIELD
BURNT RIVER
SUKUNKA
BULLMOOSE
QUINTETTE
MT. SPIEKER
MONKMAN
SAXON
JURASSIC L. CRET. | SKEENA GP. | TELKWA – RED ROSE FM.*
BOWSER GP.
HAZELTON VOLCANICS
Omineca
Germansen Landing
TAKLA LAKE
Stewart
CANAL
PORTLAND
NASS RIVER
Hazelton
RIVER
JUR. L. CRET. | SKEENA GP. | TELKWA COAL MEASURES*
HAZELTON VOLCANICS
TELKWA COAL DEPOSITS
BABINE LAKE
LOWER CRETACEOUS | FT. ST. JOHN GP. | HASLER FM.
BOULDER CK. FM.
HULCROSS FM.
GATES FM.*
MOOSEBAR FM.
BULLHEAD GP. | GETHING FM.*
CADOMIN FM.
JURASSIC | MINNES GP./NIKANASSIN
FERNIE GP.
DIXON ENTRANCE
PRINCE RUPERT
SKEENA
Terrace
Morice
Burns Lake
FRANCOIS LAKE
NECHAKO RIVER
PRINCE GEORGE
McGregor
BOWRON RIVER COAL DEPOSITS
FRASER RIVER
P A C I F I
QUEEN
HECATE
Kitimat
Morice
COAST
Tahtsa
OOTSA LAKE
EUTSUK LAKE
Chilako
West Road
MISS. | COAL MEASURES*
TERT. | SLIDE MTN. GP.
GRAHAM ISLAND COAL DEPOSITS
Queen Charlotte
CHARLOTTE
Minis
M


Y U K O N
A L B E R T A
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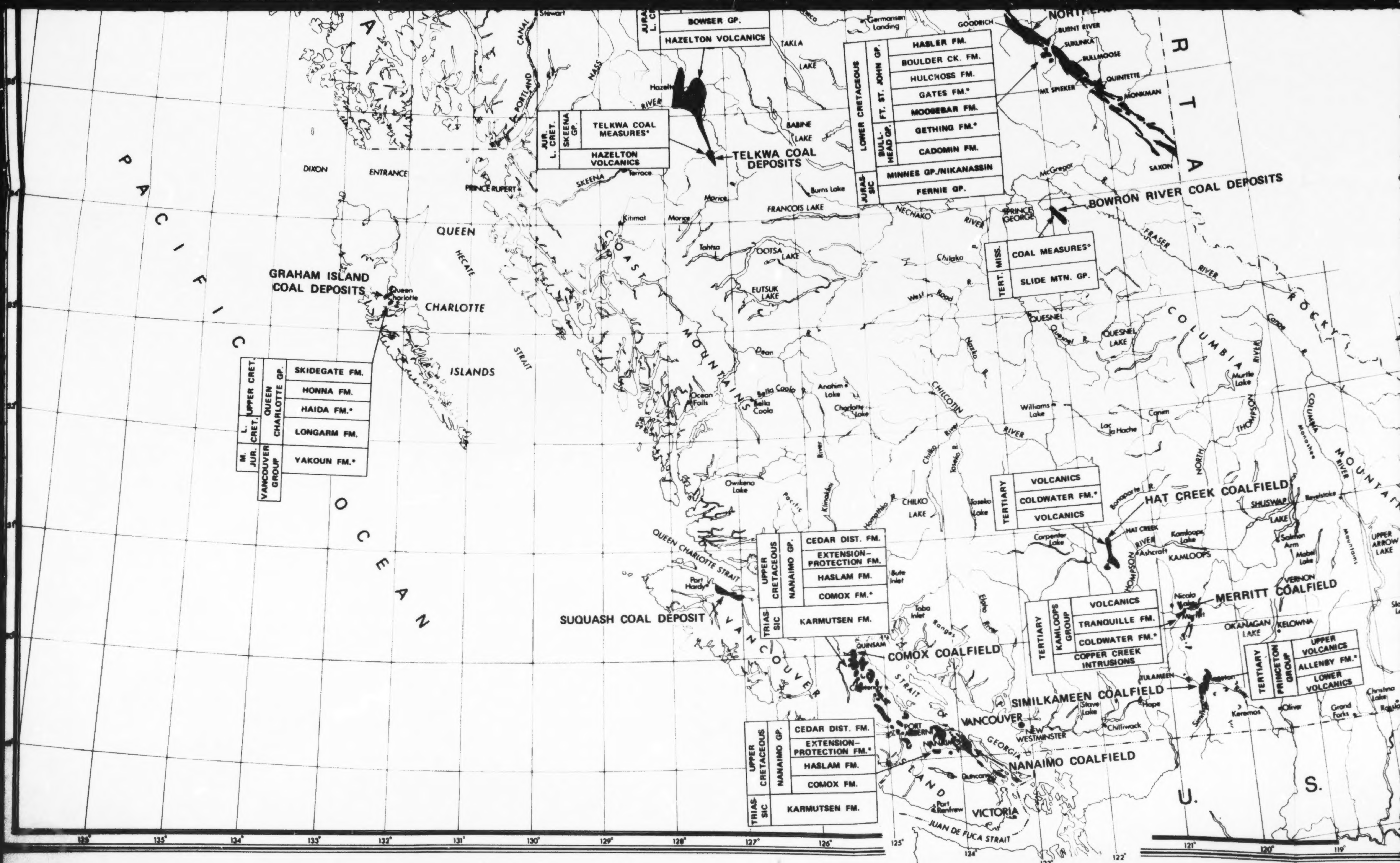
M. JUR. U. JUR. | BOWSER LAKE GP.*
JURASSIC L. CRET. | SKEENA GP. | TELKWA – RED ROSE FM.*
BOWSER GP.
HAZELTON VOLCANICS
JUR. L. CRET. | SKEENA GP. | TELKWA COAL MEASURES*
HAZELTON VOLCANICS
TELKWA COAL DEPOSITS
LOWER CRETACEOUS | FT. ST. JOHN GROUP | HASLER FM.
GATES FM.*
MOOSEBAR FM.
GETHING FM.*
CADOMIN FM.
MONACH FM.
BEATTIE PEAKS FM.
JURASSIC | MONTEITH FM.
FERNIE FM.
NORTHEAST COALFIELD
LOWER CRETACEOUS | FT. ST. JOHN GP. | HASLER FM.
BOULDER CK. FM.
HULCROSS FM.
GATES FM.*
MOOSEBAR FM.
BULLHEAD GP. | GETHING FM.*
CADOMIN FM.
JURASSIC | MINNES GP./NIKANASSIN
FERNIE GP.
BOWRON RIVER COAL DEPOSITS
TERT. MISS. | COAL MEASURES*
SLIDE MTN. GP.
BLAIRMORE GP.
CARBON CREEK
GOODRICH
BURNT RIVER
SUKUNKA
BULLMOOSE
QUINTETTE
MT. SPIEKER
MONKMAN
SAXON
Fort Nelson
Fort St. John
Dawson Creek
WILLISTON LAKE
Germansen Landing
TAKLA LAKE
BABINE LAKE
Burns Lake
FRANCOIS LAKE
PRINCE GEORGE
McGregor
Hazelton
Stewart
Terrace
PRINCE RUPERT
Kitimat
QUEEN CHARLOTTE
LIARD RIVER
FORT NELSON RIVER
PEACE
SKEENA RIVER
NASS RIVER
STIKINE RIVER
FRASER RIVER
NECHAKO RIVER
KECHIKA RIVER
CASSIAR MOUNTAINS
COAST
PORTLAND CANAL
HECATE
Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
20 0 20 40 60 80 100 120 140 160 180 200
SCALE-KILOMETRES
▇ COAL-BEARING FORMATIONS OF MAJOR IMPORTANCE
▇ COAL-BEARING FORMATIONS OF UNCERTAIN POTENTIAL
* MAJOR COAL-BEARING FORMATION

FIGURE E-4

AREAS UNDERLAIN BY MAJOR COAL-BEARING FORMATIONS


PACIFIC OCEAN
DIXON ENTRANCE
PRINCE RUPERT
QUEEN CHARLOTTE ISLANDS
HECATE STRAIT
GRAHAM ISLAND COAL DEPOSITS
Queen Charlotte
UPPER CRET. | QUEEN CHARLOTTE GP. | SKIDEGATE FM.
HONNA FM.
HAIDA FM.*
L. CRET. | LONGARM FM.
M. JUR. | VANCOUVER GROUP | YAKOUN FM.*
JURA. L. CR. | BOWSER GP.
HAZELTON VOLCANICS
JUR. L. CRET. | SKEENA GP. | TELKWA COAL MEASURES*
HAZELTON VOLCANICS
TELKWA COAL DEPOSITS
LOWER CRETACEOUS | FT. ST. JOHN GP. | HASLER FM.
BOULDER CK. FM.
HULCROSS FM.
GATES FM.*
MOOSEBAR FM.
BULLHEAD GP. | GETHING FM.*
CADOMIN FM.
JURASSIC | MINNES GP./NIKANASSIN
FERNIE GP.
NORTHEAST
GOODRICH
BURNT RIVER
SUKUNKA
BULLMOOSE
QUINTETTE
MT. SPIEKER
MONKMAN
SAXON
ALBERTA
BOWRON RIVER COAL DEPOSITS
TERT. MISS. | COAL MEASURES*
SLIDE MTN. GP.
McGregor
PRINCE GEORGE
NECHAKO RIVER
FRASER RIVER
ROCKY MOUNTAINS
COLUMBIA
COAST MOUNTAINS
Stewart
PORTLAND CANAL
NASS
Hazelton
SKEENA RIVER
Terrace
Kitimat
Morice
BABINE LAKE
Burns Lake
FRANCOIS LAKE
Tahtsa
OOTSA LAKE
EUTSUK LAKE
Germansen Landing
TAKLA LAKE
Chilako
West Road R.
QUESNEL
Quesnel R.
QUESNEL LAKE
Nazko R.
Dean
Bella Coola
Ocean Falls
Anahim Lake
Charlotte Lake
CHILCOTIN RIVER
Williams Lake
Lac la Hache
Canim
NORTH THOMPSON
Murtle Lake
Owikeno Lake
CHILKO LAKE
Taseko Lake
TERTIARY | VOLCANICS
COLDWATER FM.*
VOLCANICS
HAT CREEK COALFIELD
HAT CREEK
Bonaparte R.
Carpenter Lake
Kamloops Lake
KAMLOOPS
Ashcroft
SHUSWAP LAKE
Revelstoke
Salmon Arm
Mabel Lake
UPPER ARROW LAKE
VERNON
MERRITT COALFIELD
Nicola Lake
Merritt
TERTIARY | KAMLOOPS GROUP | VOLCANICS
TRANQUILLE FM.
COLDWATER FM.*
COPPER CREEK INTRUSIONS
OKANAGAN LAKE
KELOWNA
TERTIARY | PRINCETON GROUP | UPPER VOLCANICS
ALLENBY FM.*
LOWER VOLCANICS
SIMILKAMEEN COALFIELD
TULAMEEN
Princeton
Keremos
Oliver
Grand Forks
Christina Lake
QUEEN CHARLOTTE STRAIT
Port Hardy
SUQUASH COAL DEPOSIT
UPPER CRETACEOUS | NANAIMO GP. | CEDAR DIST. FM.
EXTENSION-PROTECTION FM.
HASLAM FM.
COMOX FM.*
TRIASSIC | KARMUTSEN FM.
Bute Inlet
Toba Inlet
COMOX COALFIELD
QUINSAM
VANCOUVER ISLAND
STRAIT OF GEORGIA
PORT ALBERNI
NANAIMO
VANCOUVER
NEW WESTMINSTER
Stave Lake
Hope
Chilliwack
UPPER CRETACEOUS | NANAIMO GP. | CEDAR DIST. FM.
EXTENSION-PROTECTION FM.*
HASLAM FM.
COMOX FM.
TRIASSIC | KARMUTSEN FM.
NANAIMO COALFIELD
Duncan
Port Renfrew
VICTORIA
JUAN DE FUCA STRAIT
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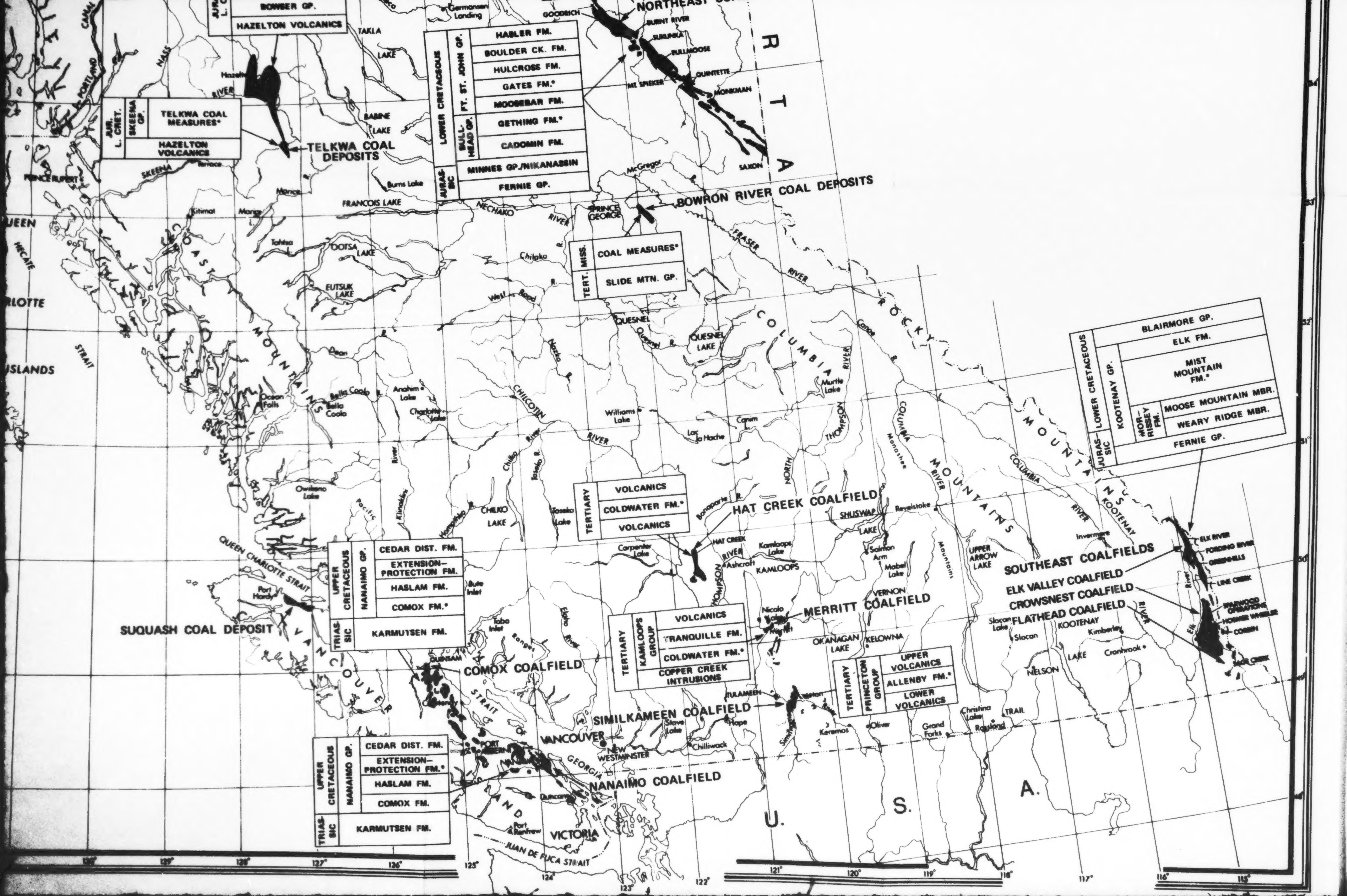
BOWSER GP.
HAZELTON VOLCANICS
JUR. L. CRET.
SKEENA GP.
TELKWA COAL MEASURES*
HAZELTON VOLCANICS
TELKWA COAL DEPOSITS
LOWER CRETACEOUS
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BOULDER CK. FM.
HULCROSS FM.
GATES FM.*
MOOSEBAR FM.
BULLHEAD GP.
GETHING FM.*
CADOMIN FM.
JURASSIC
MINNES GP./NIKANASSIN
FERNIE GP.
NORTHEAST COAL
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SUKUNKA
BULLMOOSE
QUINTETTE
MT. SPIEKER
MONKMAN
SAXON
BOWRON RIVER COAL DEPOSITS
TERT. MISS.
COAL MEASURES*
SLIDE MTN. GP.
HAT CREEK COALFIELD
TERTIARY
VOLCANICS
COLDWATER FM.*
VOLCANICS
UPPER CRETACEOUS
NANAIMO GP.
CEDAR DIST. FM.
EXTENSION-PROTECTION FM.
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COMOX FM.*
TRIASSIC
KARMUTSEN FM.
SUQUASH COAL DEPOSIT
COMOX COALFIELD
TERTIARY
KAMLOOPS GROUP
VOLCANICS
TRANQUILLE FM.
COLDWATER FM.*
COPPER CREEK INTRUSIONS
MERRITT COALFIELD
SIMILKAMEEN COALFIELD
TERTIARY
PRINCETON GROUP
UPPER VOLCANICS
ALLENBY FM.*
LOWER VOLCANICS
UPPER CRETACEOUS
NANAIMO GP.
CEDAR DIST. FM.
EXTENSION-PROTECTION FM.*
HASLAM FM.
COMOX FM.
TRIASSIC
KARMUTSEN FM.
NANAIMO COALFIELD
LOWER CRETACEOUS
BLAIRMORE GP.
KOOTENAY GP.
ELK FM.
MIST MOUNTAIN FM.*
MORRISSEY FM.
MOOSE MOUNTAIN MBR.
WEARY RIDGE MBR.
JURASSIC
FERNIE GP.
SOUTHEAST COALFIELDS
ELK VALLEY COALFIELD
CROWSNEST COALFIELD
FLATHEAD COALFIELD
ELK RIVER
FORDING RIVER
GREENHILLS
LINE CREEK
BALMER OPERATIONS
HOSMER WHEELER
CORBIN
SAGE CREEK
A L B E R T A
U. S. A.
COAST MOUNTAINS
ROCKY MOUNTAINS
COLUMBIA MOUNTAINS
VANCOUVER ISLAND
QUEEN CHARLOTTE STRAIT
STRAIT OF GEORGIA
JUAN DE FUCA STRAIT
HECATE STRAIT
QUEEN CHARLOTTE ISLANDS
PRINCE RUPERT
Terrace
Kitimat
Hazelton
Smithers
Burns Lake
FRANCOIS LAKE
BABINE LAKE
TAKLA LAKE
Germansen Landing
GOODRICH
McGregor
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NECHAKO RIVER
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QUESNEL
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Williams Lake
Bella Coola
Ocean Falls
Anahim Lake
CHILCOTIN RIVER
CHILKO LAKE
Taseko Lake
Lac la Hache
Canim
Carpenter Lake
HAT CREEK
Ashcroft
KAMLOOPS
Kamloops Lake
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SHUSWAP LAKE
Revelstoke
Mabel Lake
VERNON
KELOWNA
OKANAGAN LAKE
Nicola Lake
Merritt
TULAMEEN
Princeton
Keremeos
Oliver
Grand Forks
Christina Lake
Rossland
TRAIL
NELSON
KOOTENAY LAKE
Slocan Lake
Slocan
Kimberley
Cranbrook
Invermere
UPPER ARROW LAKE
Port Hardy
Bute Inlet
Toba Inlet
Campbell River
Cumberland
PORT ALBERNI
Nanaimo
Duncan
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VICTORIA
VANCOUVER
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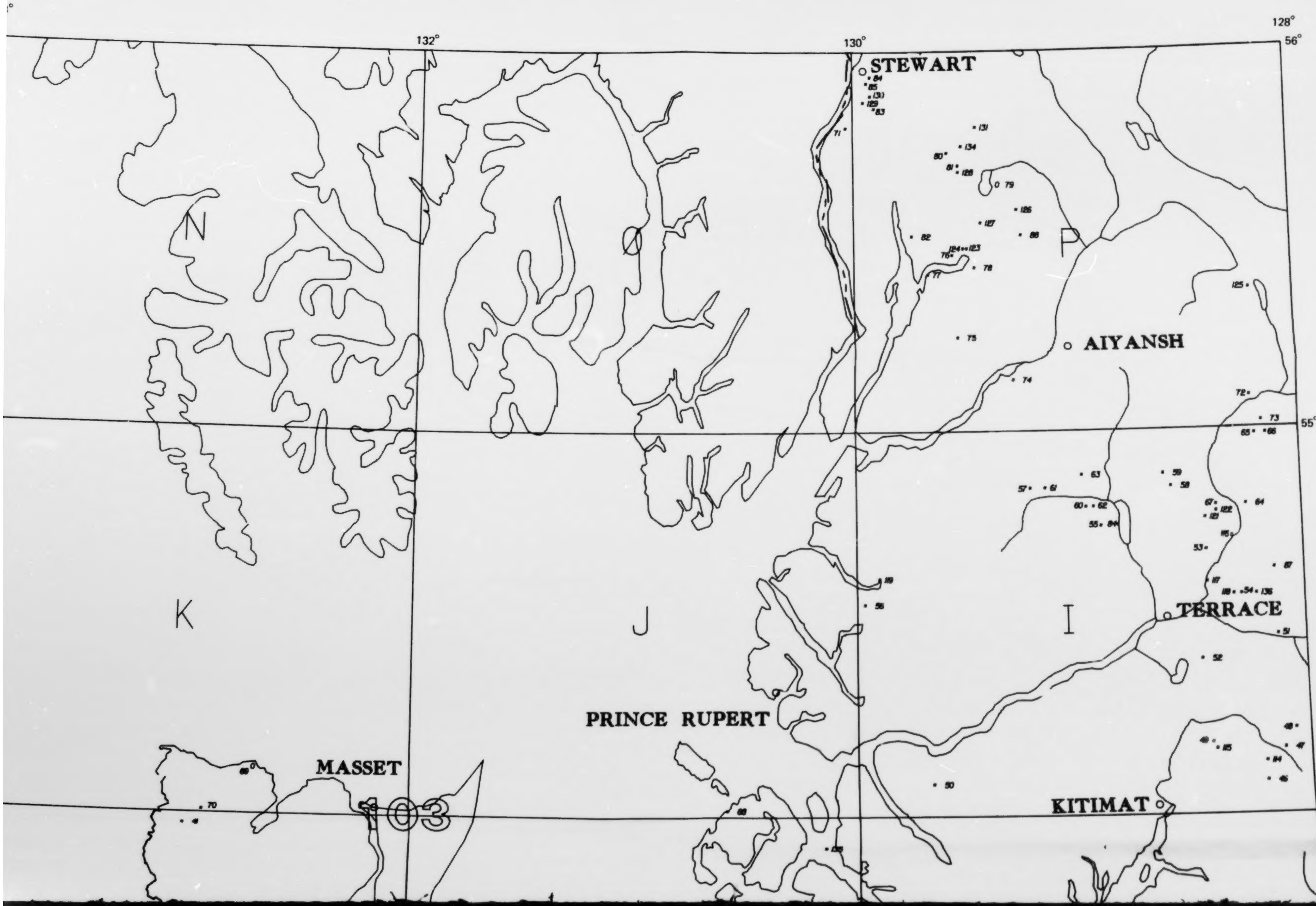

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4 ALDER
5 SWAN
6 HAL -
7 LYELL
8 APRIL
9 ELLEN
10 GOLDY
11 LOCKE
12 CRESC
13 SKID,
14 OP -
15 BATEA
16 PURE
17 FLY -
18 COURT
19 KING
20 SHIEL
21 COURT
22 NECK
23 GOLD,
24 BRE -
25 MANY
26 BARBI
27 TRAIL
28 MB 6
29 DOME
30 OB -
31 BRIDG
32 SUN -
33 STAR
34 DALE'S
35 KENNY
36 YAKY
37 YAK -
38 BABE
39 RIVER
40 IRON
41 INCONS
42 COPPE
43 AERO
44 GREAT
45 HUNTE
46 HALF
47 SNAKE
48 HOULT
49 BOLT
50 SCOTI
51 ZYM C
52 BUM -
53 KOKAN
54 ANNET
55 MISTY
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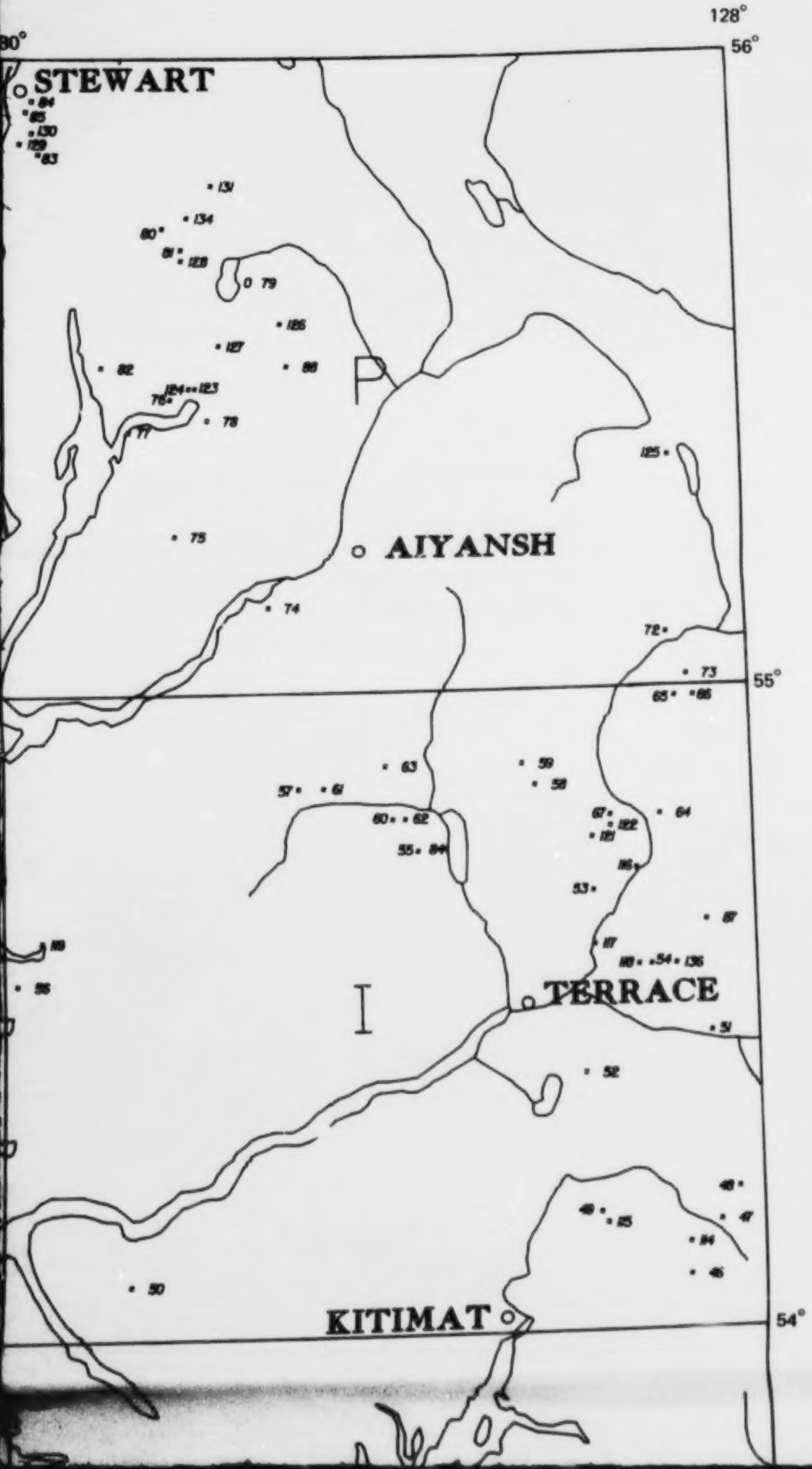

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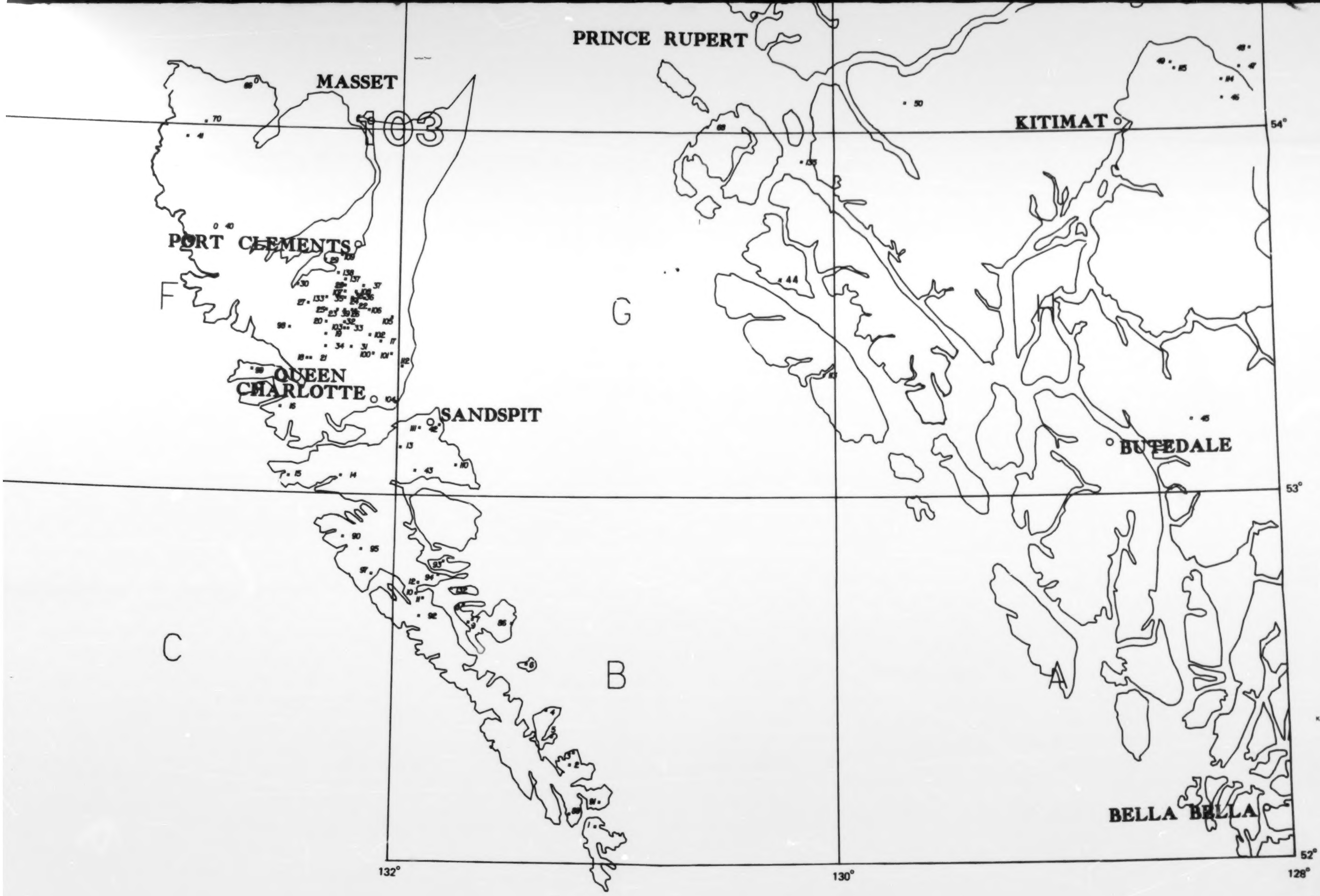
PRINCE RUPERT
MASSET
103
KITIMAT
PORT CLEMENTS
QUEEN CHARLOTTE
SANDSPIT
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49	BOLT
50	SCOTI
51	ZYM C
52	BUM -
53	KOKAN
54	ANNET
55	M STY
56	QUOT
57	HEPLE
58	SOUTH
59	BERMA
60	NOBLE
61	WEDGE
62	ORO A
63	MACEX
64	TWO G
65	REGA,
66	FUN -
67	PADDY
68	EDYE
69	SHAG
70	PACKE
71	GEORG
72	MORNI
73	UGACH
74	VALLE
75	PENNY
76	TIDEW
77	HAYWI
78	KITSA
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y *Exploration in British Columbia, 1980,* Ministry of Energy, Mines and Petroleum Resources

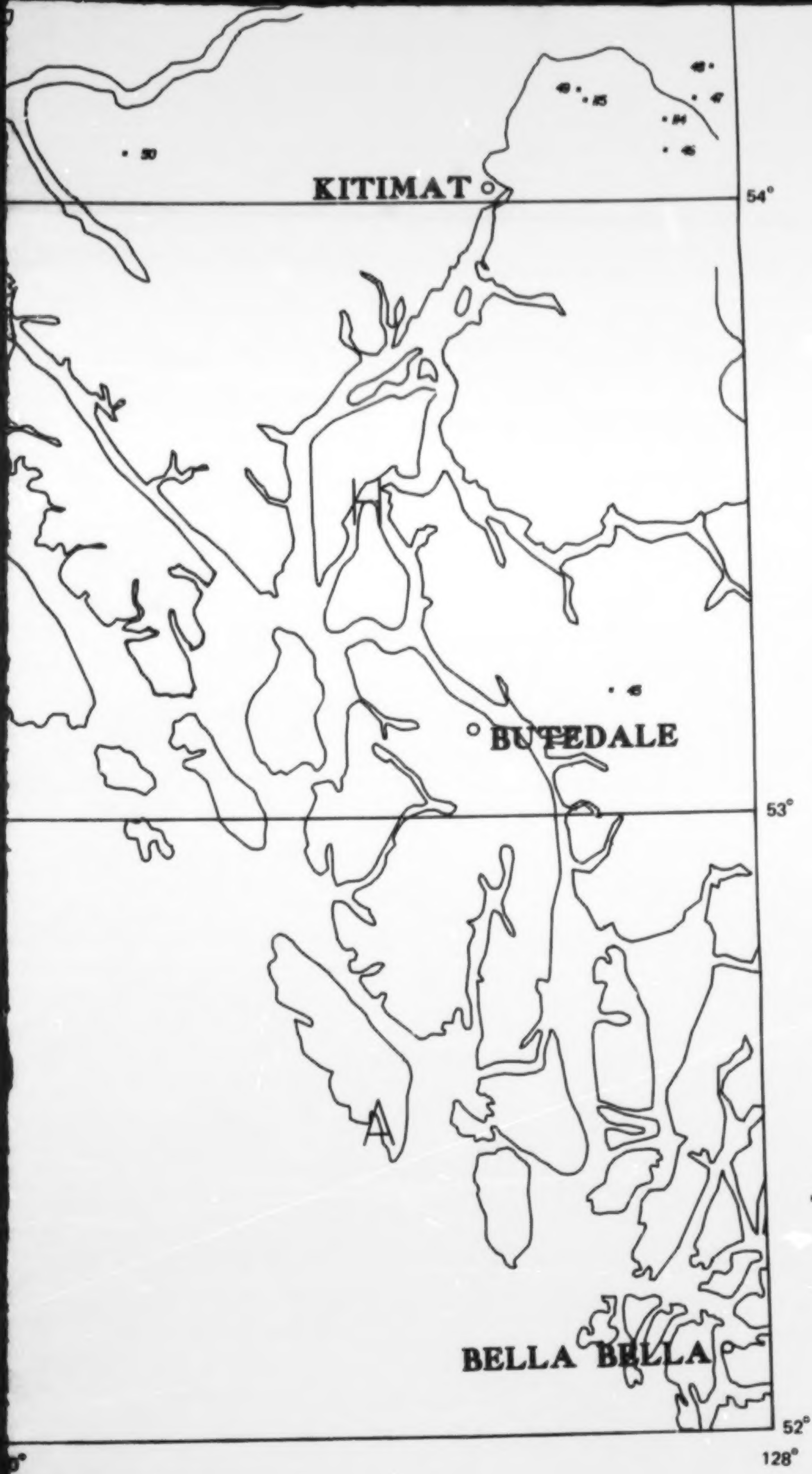

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FIGURE E–1

EXPLORATION IN BRITISH COLUMBIA, 1980

INDEX MAP OF PROPERTIES, WEST CENTRAL BRITISH COLUMBIA
NTS DIVISION 103

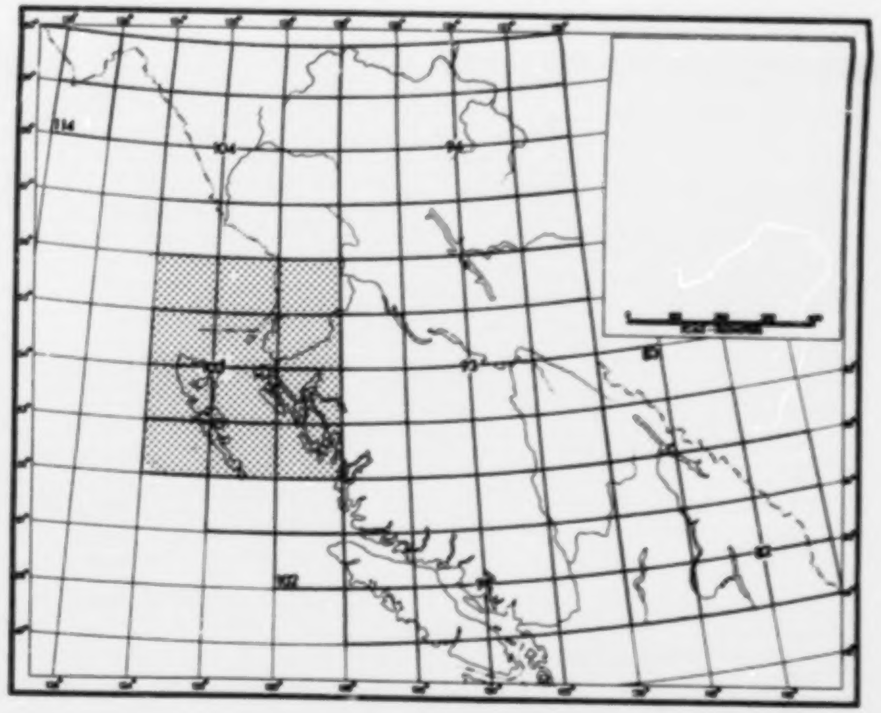
SCALE 1:1 000 000

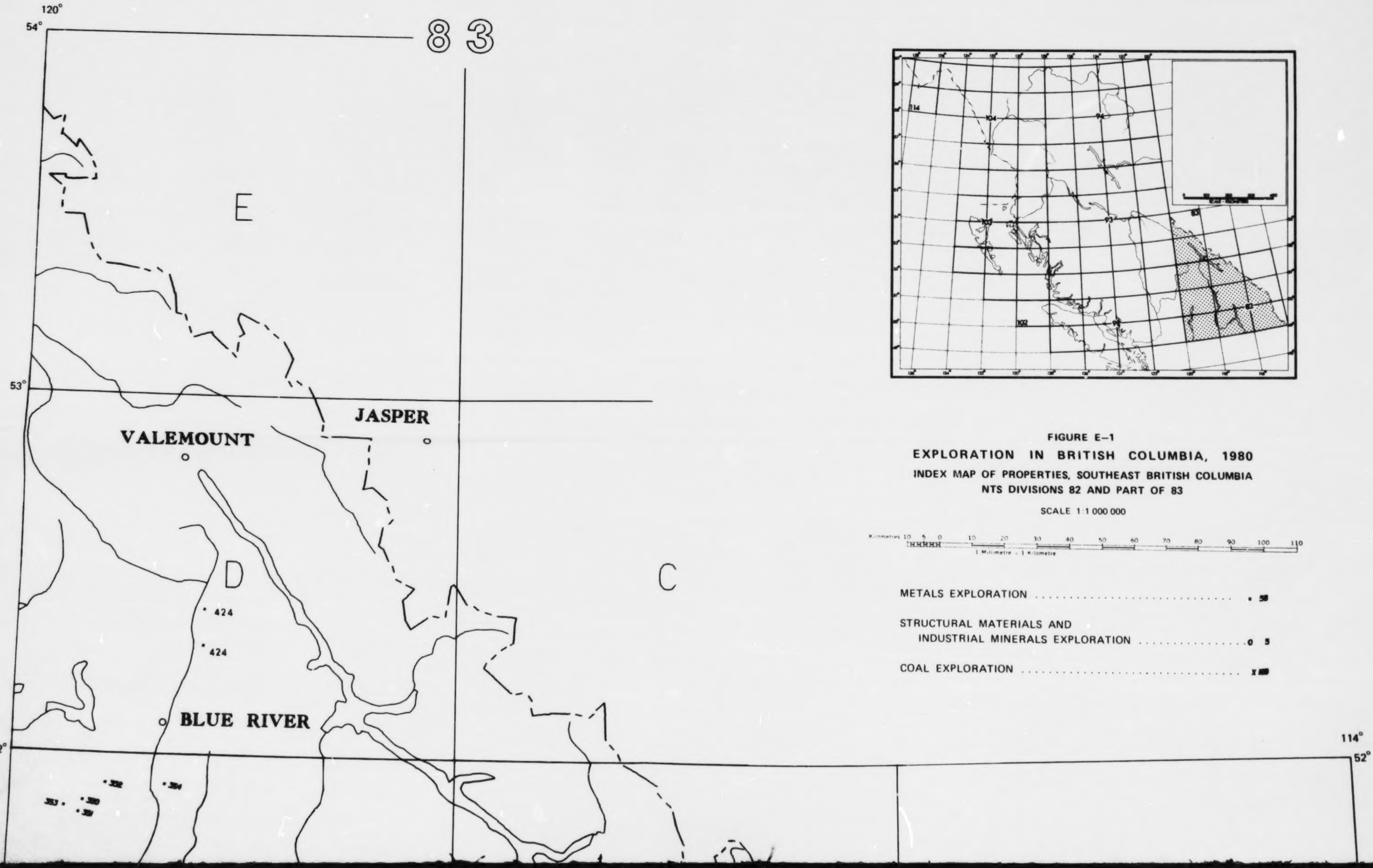
Kilometres 10 5 0 10 20 30 40 50 60 70 80 90 100 110
1 Millimetre = 1 Kilometre

METALS EXPLORATION .... •

STRUCTURAL MATERIALS AND
INDUSTRIAL MINERALS EXPLORATION .... o

COAL EXPLORATION x





120°
54°
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E
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JASPER
VALEMOUNT
D
C
424
424
BLUE RIVER
52°
114°
52°
114
104
94
103
93
102
92
83
82

FIGURE E–1

EXPLORATION IN BRITISH COLUMBIA, 1980

INDEX MAP OF PROPERTIES, SOUTHEAST BRITISH COLUMBIA
NTS DIVISIONS 82 AND PART OF 83

SCALE 1:1 000 000

Kilometres 10 5 0 10 20 30 40 50 60 70 80 90 100 110
1 Millimetre = 1 Kilometre

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INDUSTRIAL MINERALS EXPLORATION ....o 5

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BRITISH COLUMBIA

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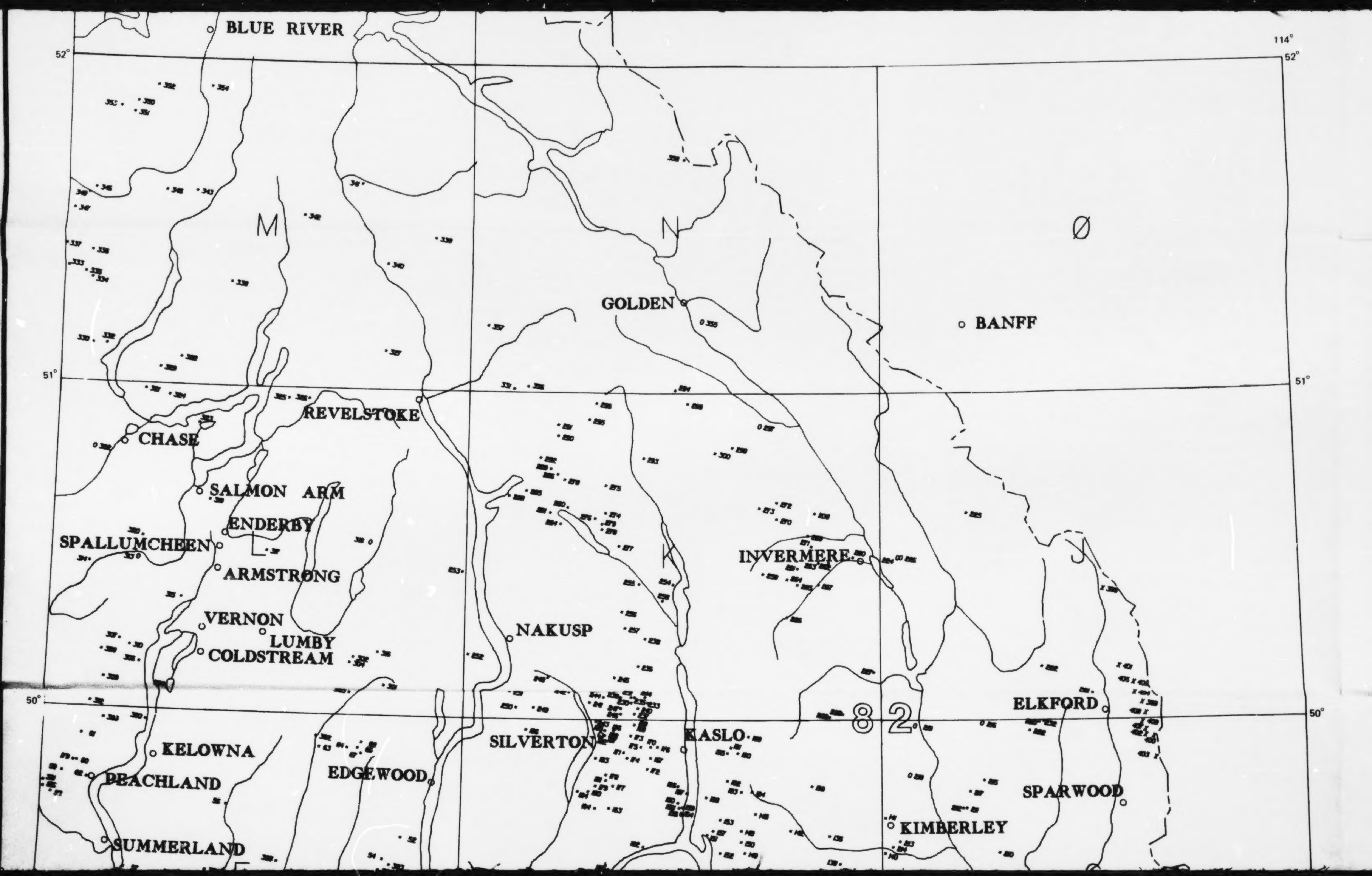
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BANFF
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REVELSTOKE
CHASE
SALMON ARM
ENDERBY
SPALLUMCHEEN
L
ARMSTRONG
K
INVERMERE
J
VERNON
LUMBY
COLDSTREAM
NAKUSP
50°
50°
ELKFORD
82
KASLO
SILVERTON
KELOWNA
PEACHLAND
EDGEWOOD
SPARWOOD
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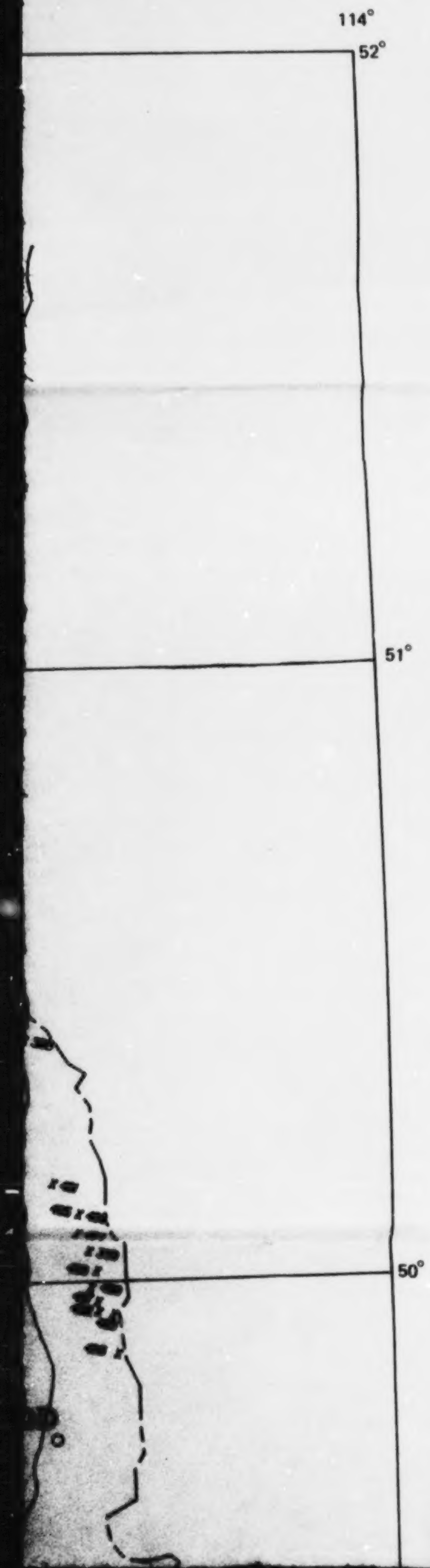
SUMMERLAND



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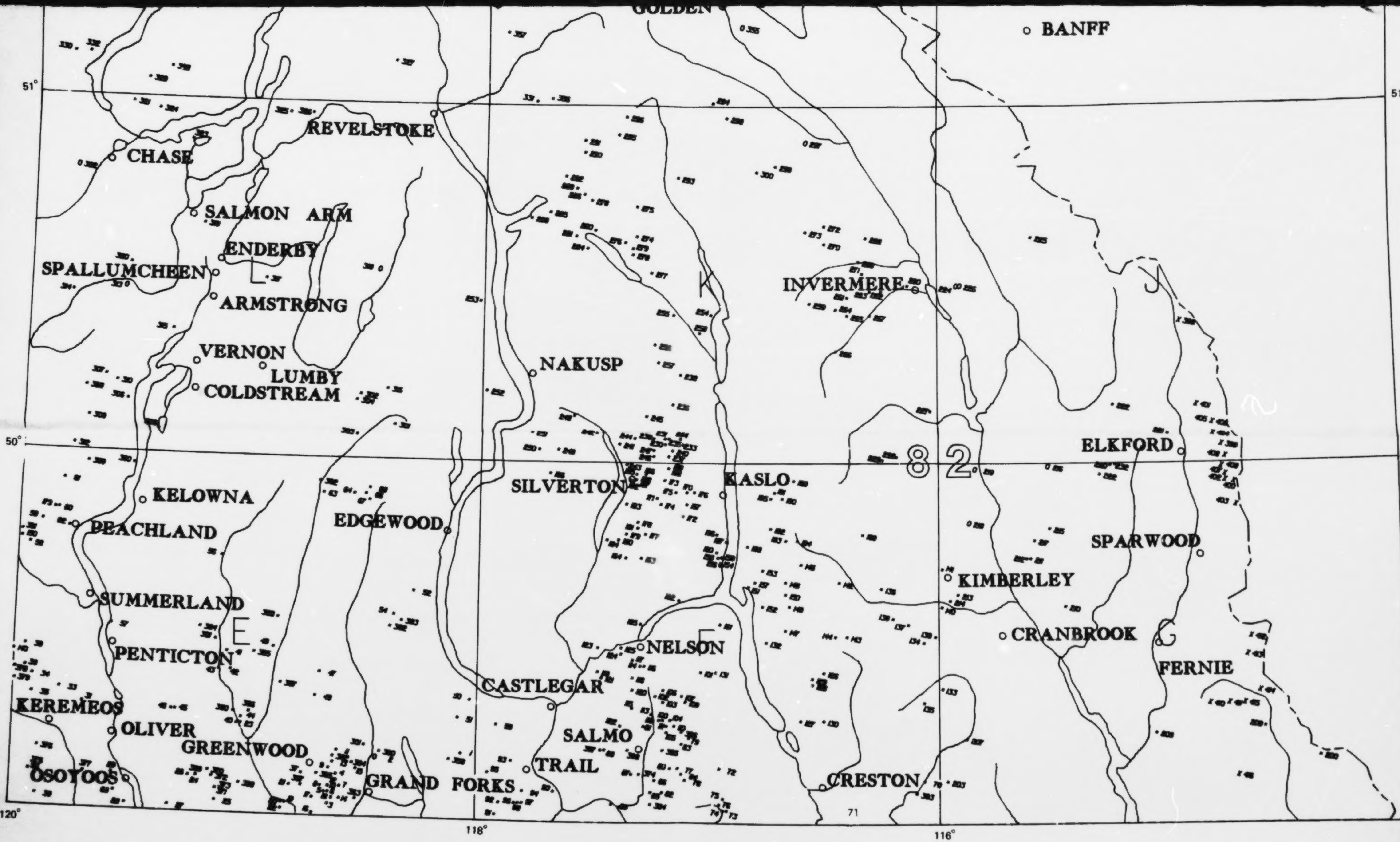
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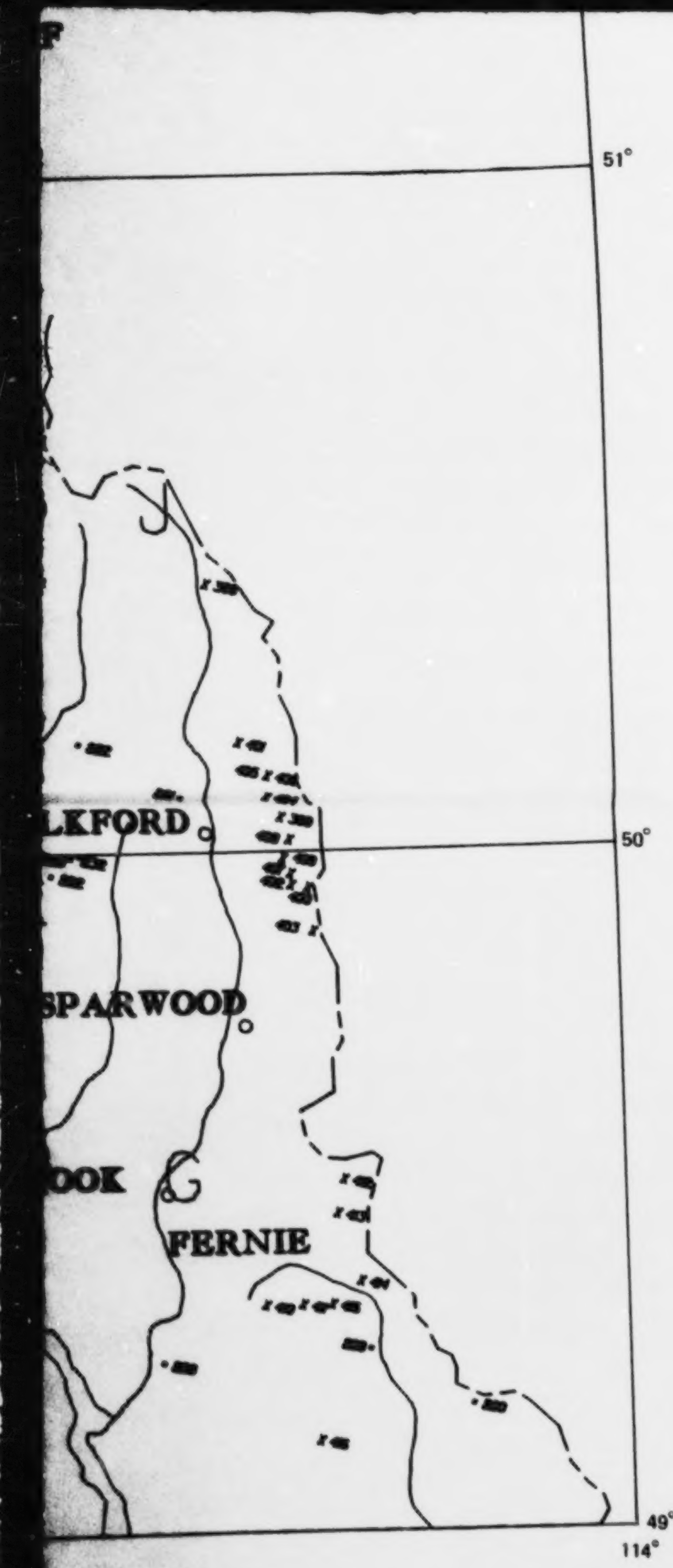

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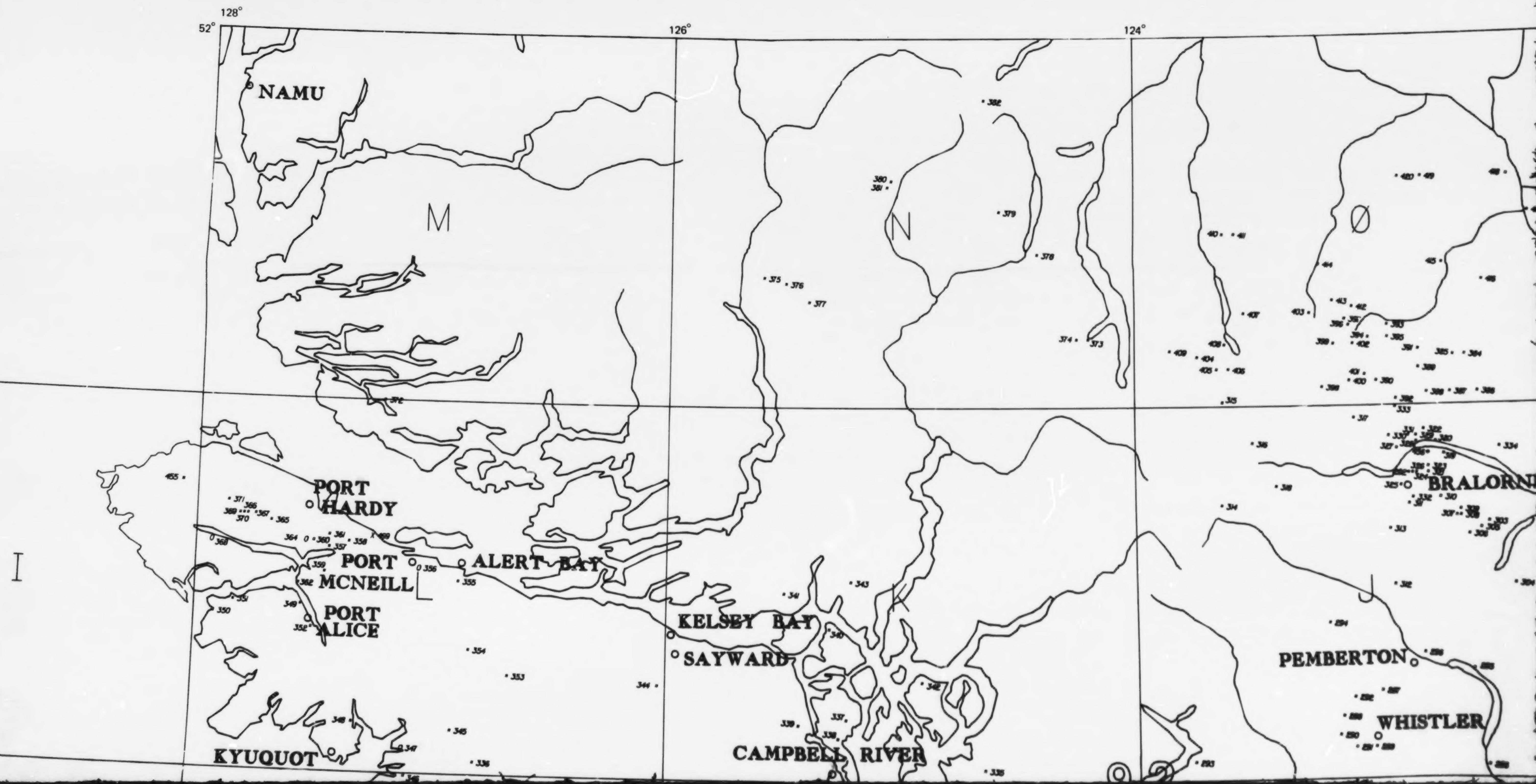
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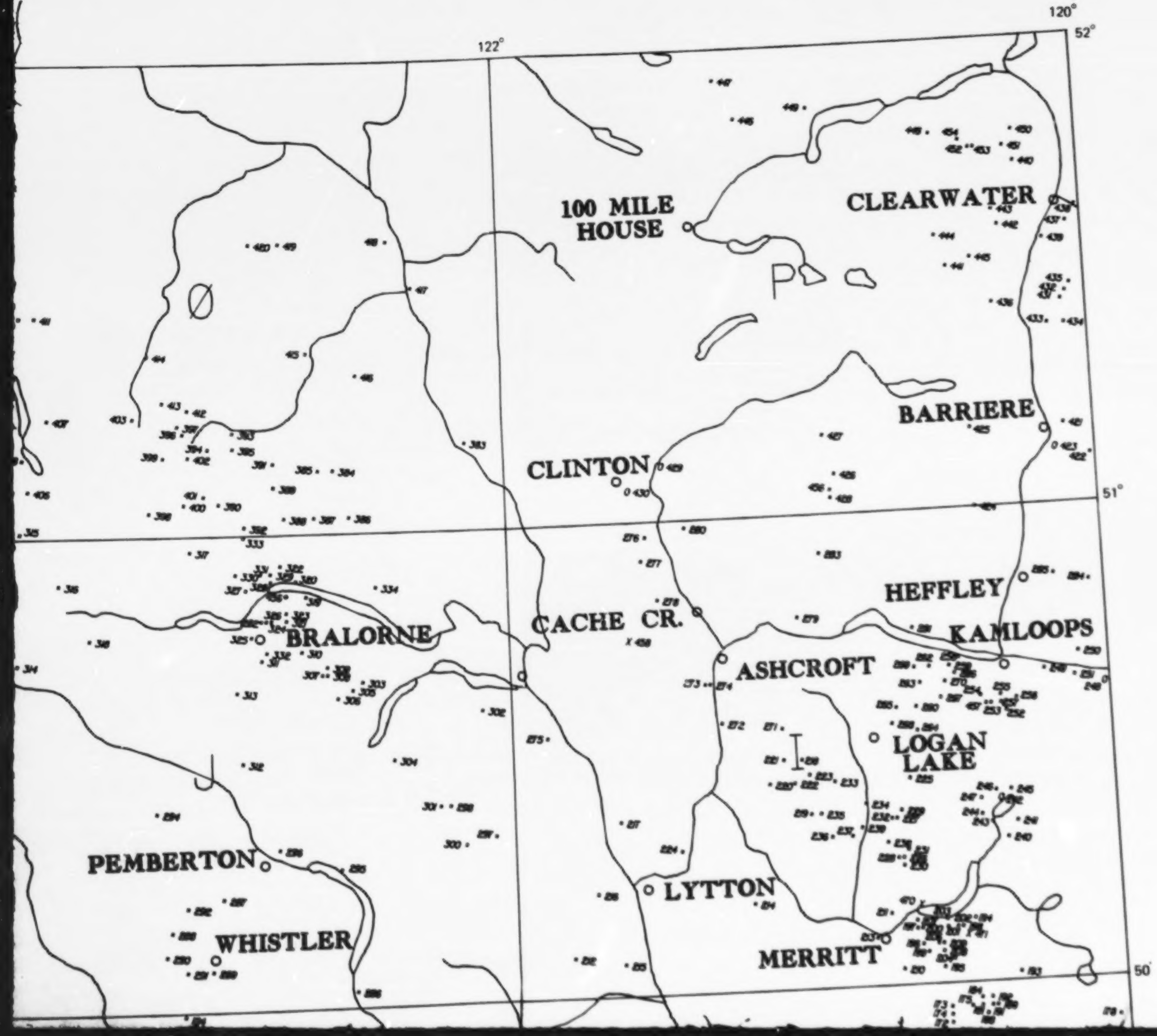

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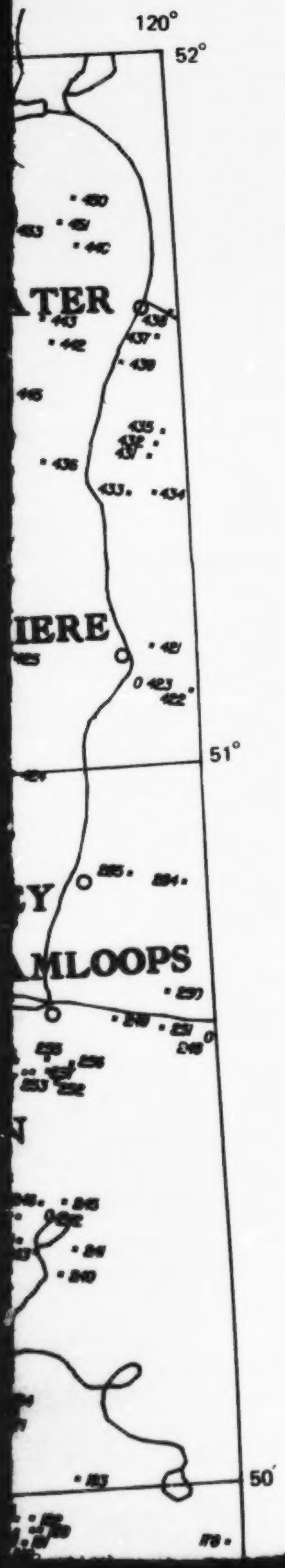

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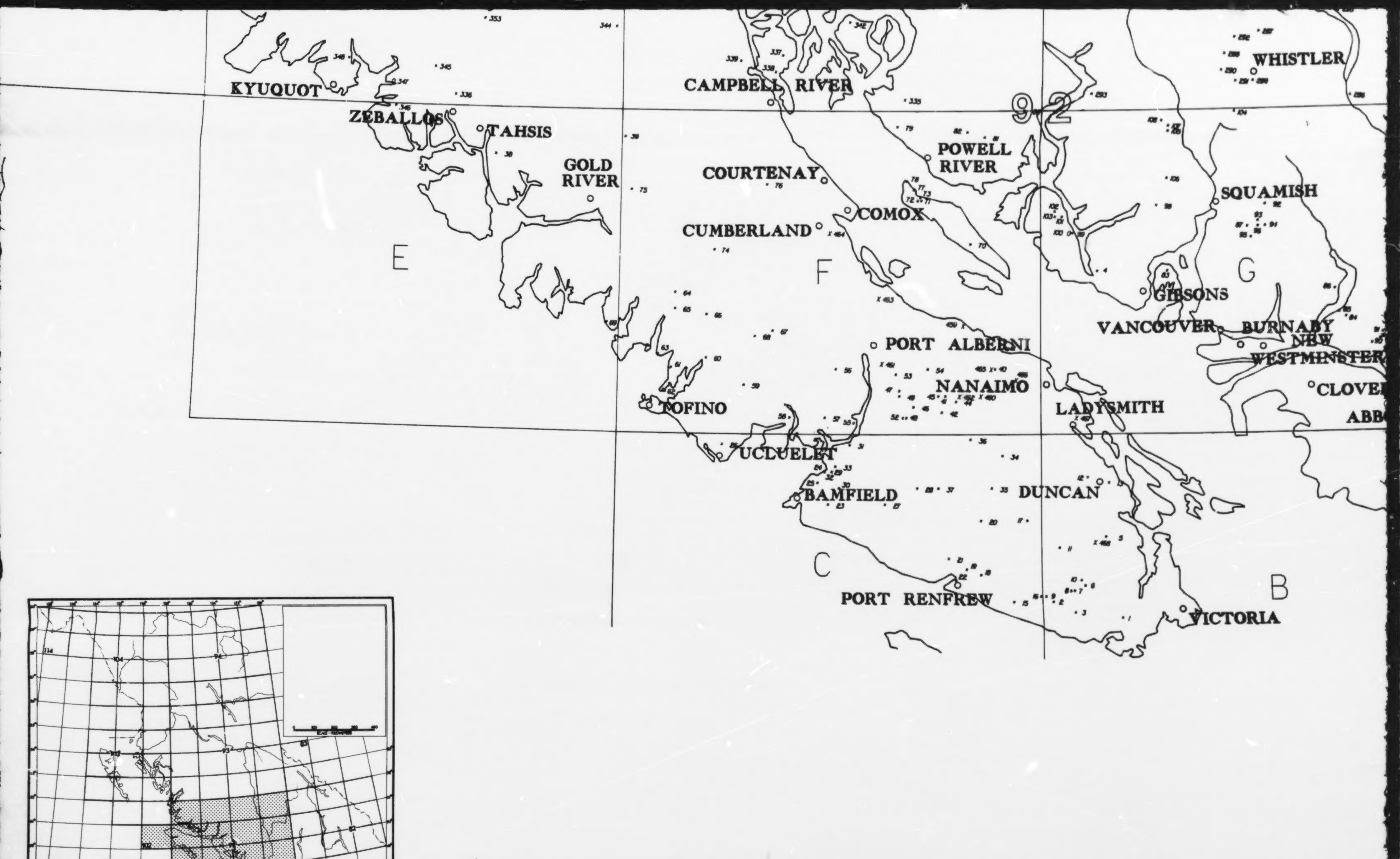
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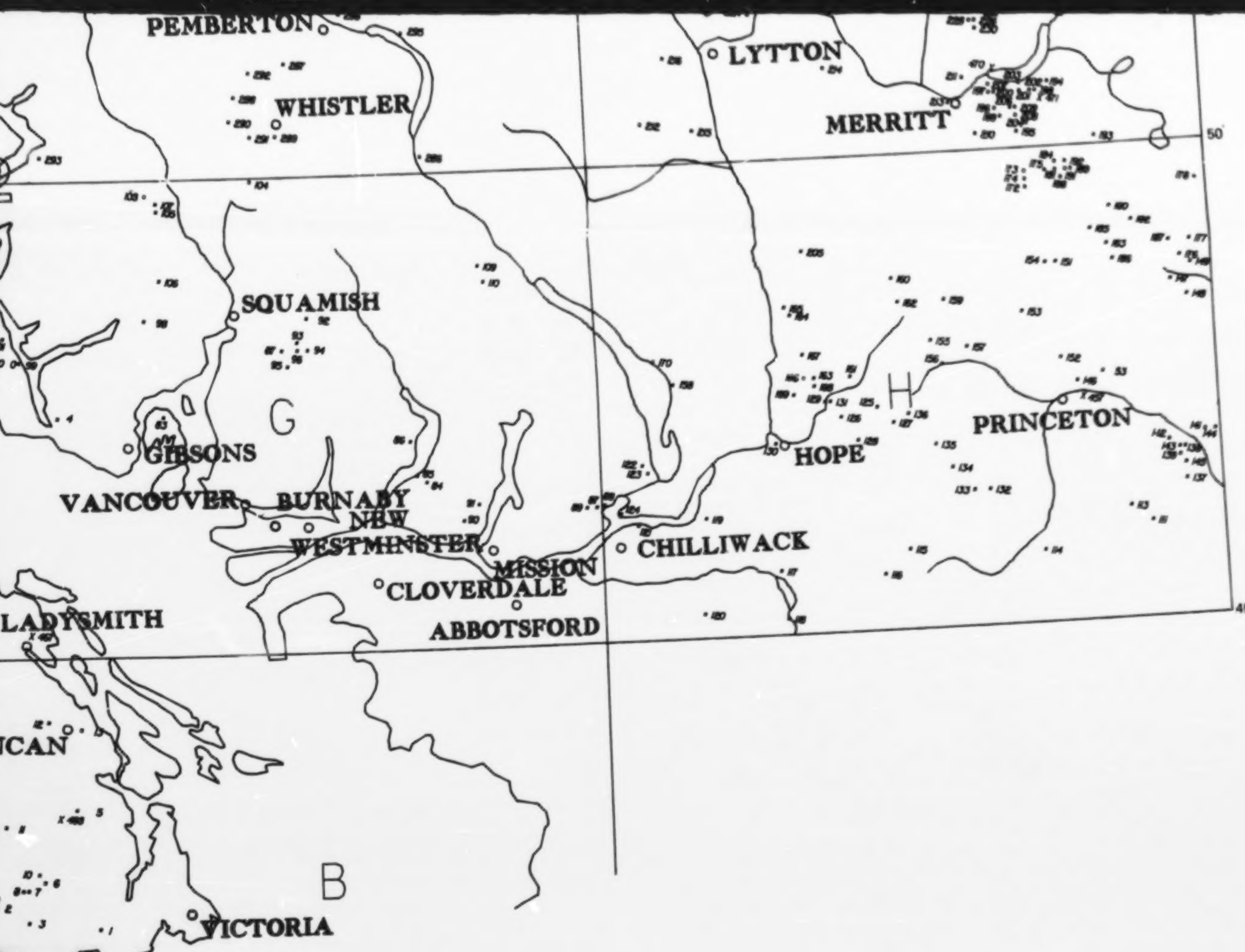

FIGURE E–1

EXPLORATION IN BRITISH COLUMBIA, 1980

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NTS DIVISIONS 92 AND PART OF 102

SCALE 1:1 000 000

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1 Millimetre = 1 Kilometre

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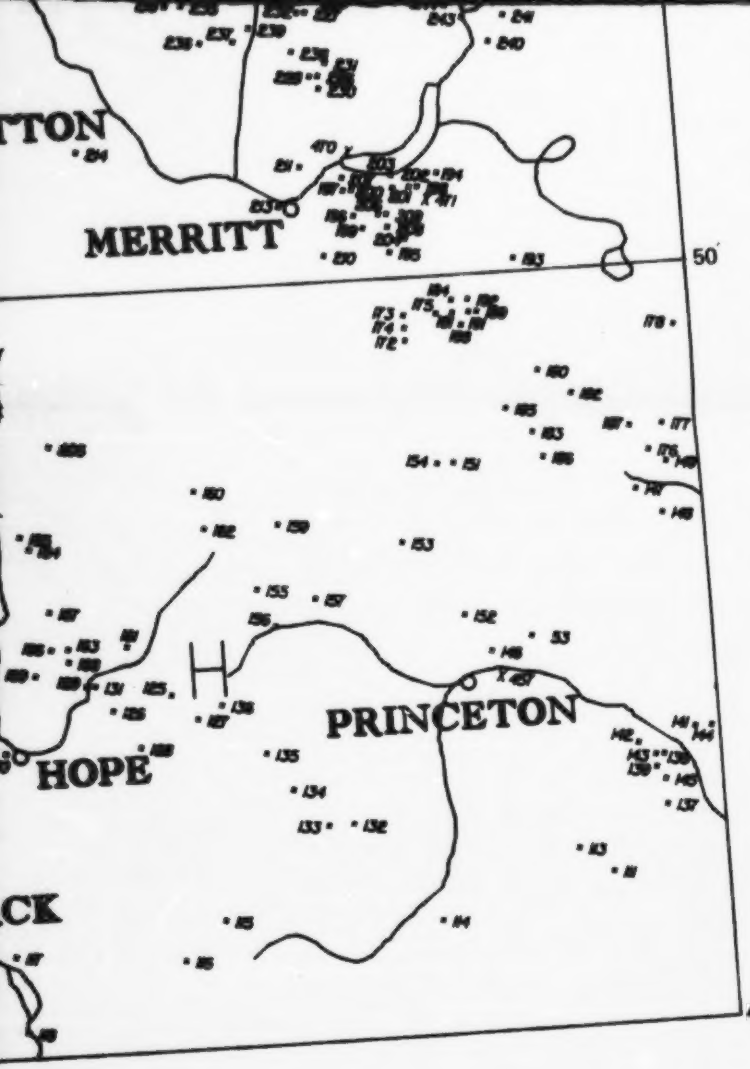

FIGURE E–1

ON IN BRITISH COLUMBIA, 1980

PROPERTIES, SOUTHWEST BRITISH COLUMBIA

S DIVISIONS 92 AND PART OF 102

SCALE 1:1 000 000

20
30
40
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100
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ntre = 1 Kilometre

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413 BIG TOM - PAGE 292
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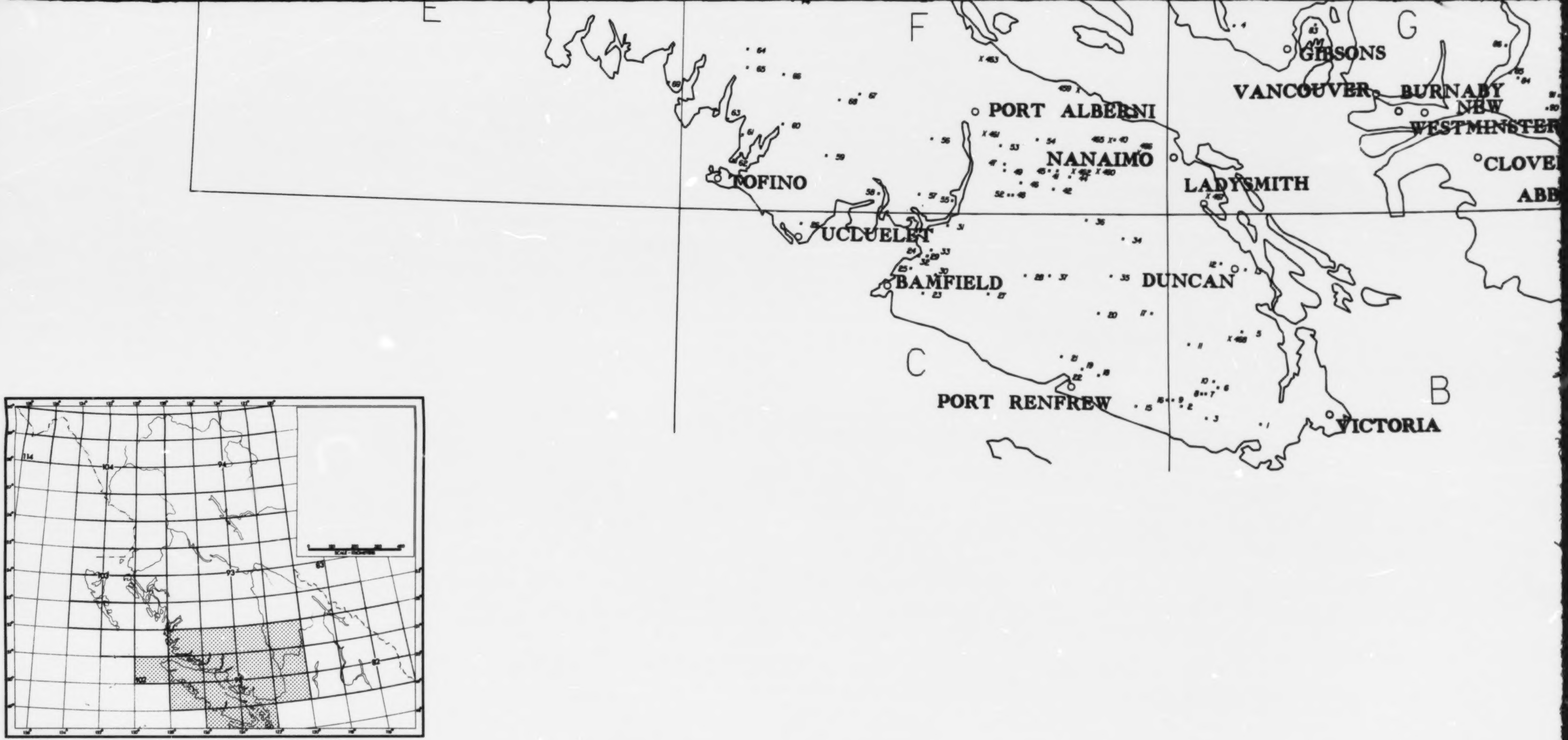
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F
G
GIBSONS
VANCOUVER
BURNABY
NEW WESTMINSTER
CLOVE
ABB
PORT ALBERNI
NANAIMO
LADYSMITH
TOFINO
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C
B
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To accompany *Exploration in British Columbia, 1980*, Ministry of Energy, Mines and Petroleum Resources

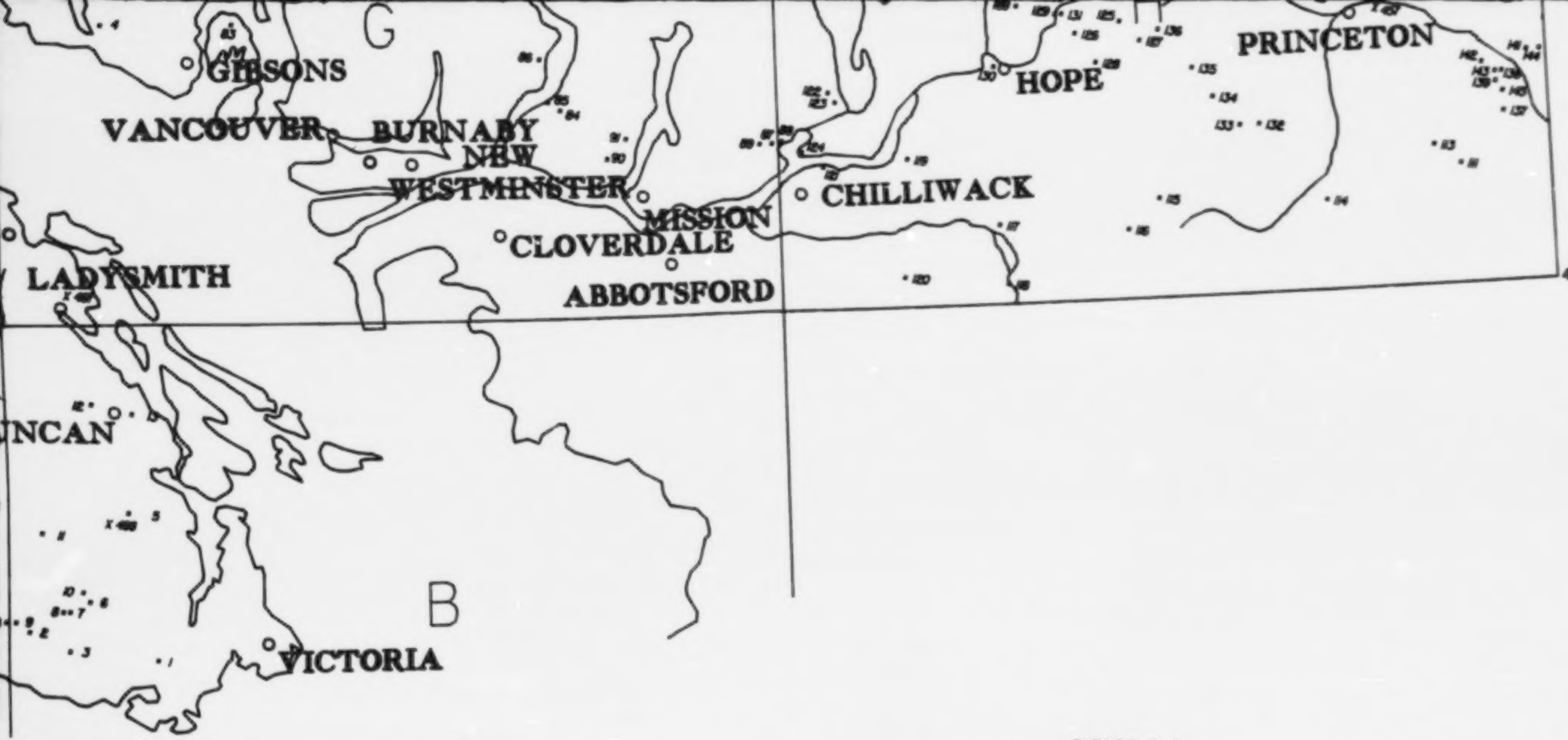

FIGURE E–1

EXPLORATION IN BRITISH COLUMBIA, 1980

INDEX MAP OF PROPERTIES, SOUTHWEST BRITISH COLUMBIA
NTS DIVISIONS 92 AND PART OF 102

SCALE 1:1 000 000

Kilometres 10 5 0 10 20 30 40 50 60 70 80 90 100 110
1 Millimetre = 1 Kilometre

METALS EXPLORATION .... • 25

STRUCTURAL MATERIALS AND
INDUSTRIAL MINERALS EXPLORATION .... 0 ■

COAL EXPLORATION .... X 85

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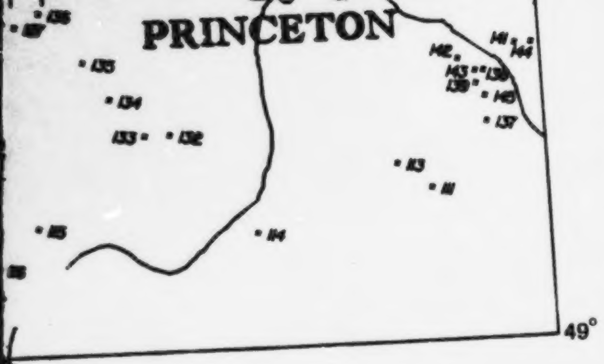

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UTHWEST BRITISH COLUMBIA
AND PART OF 102

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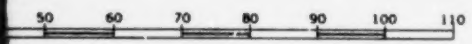

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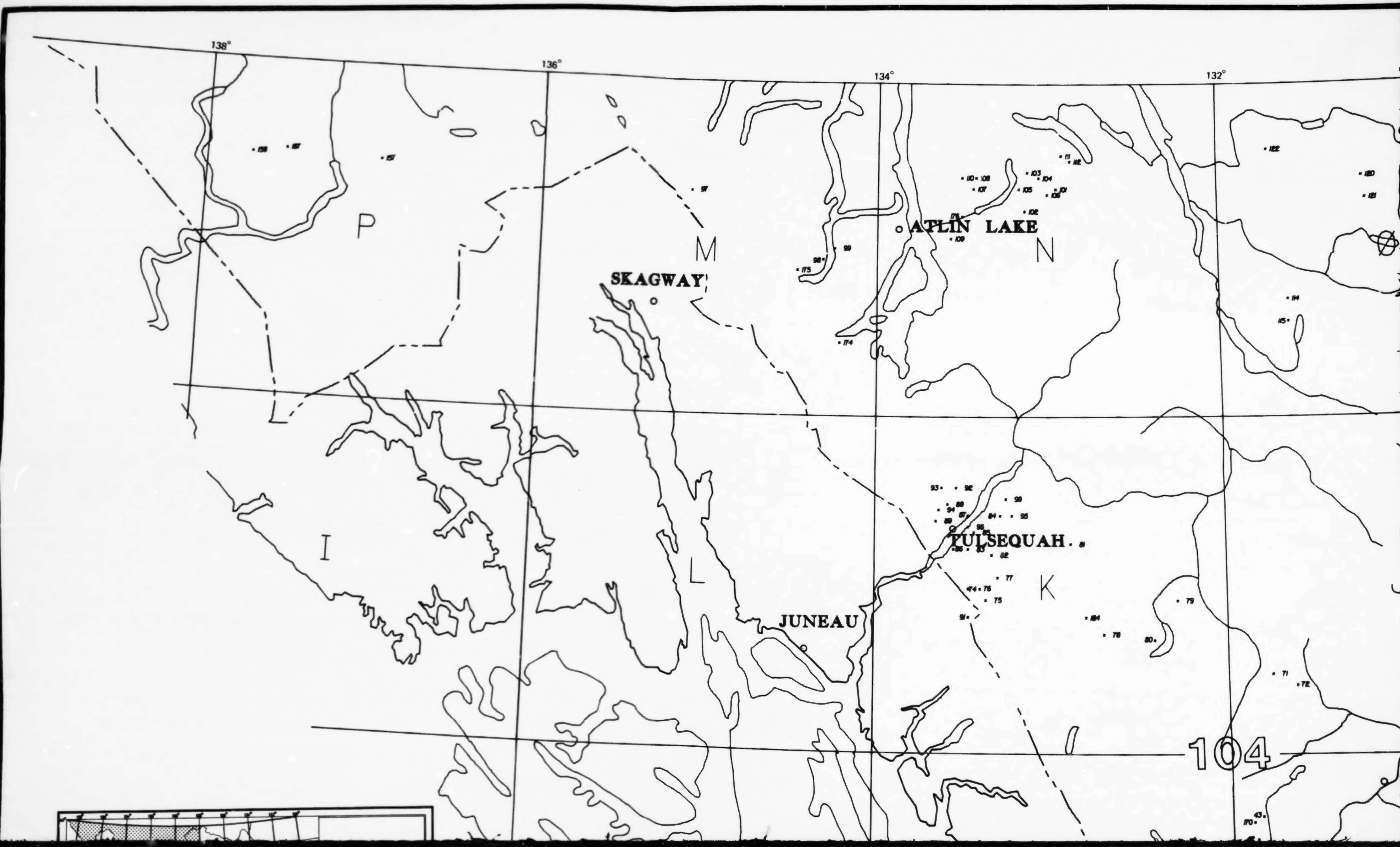
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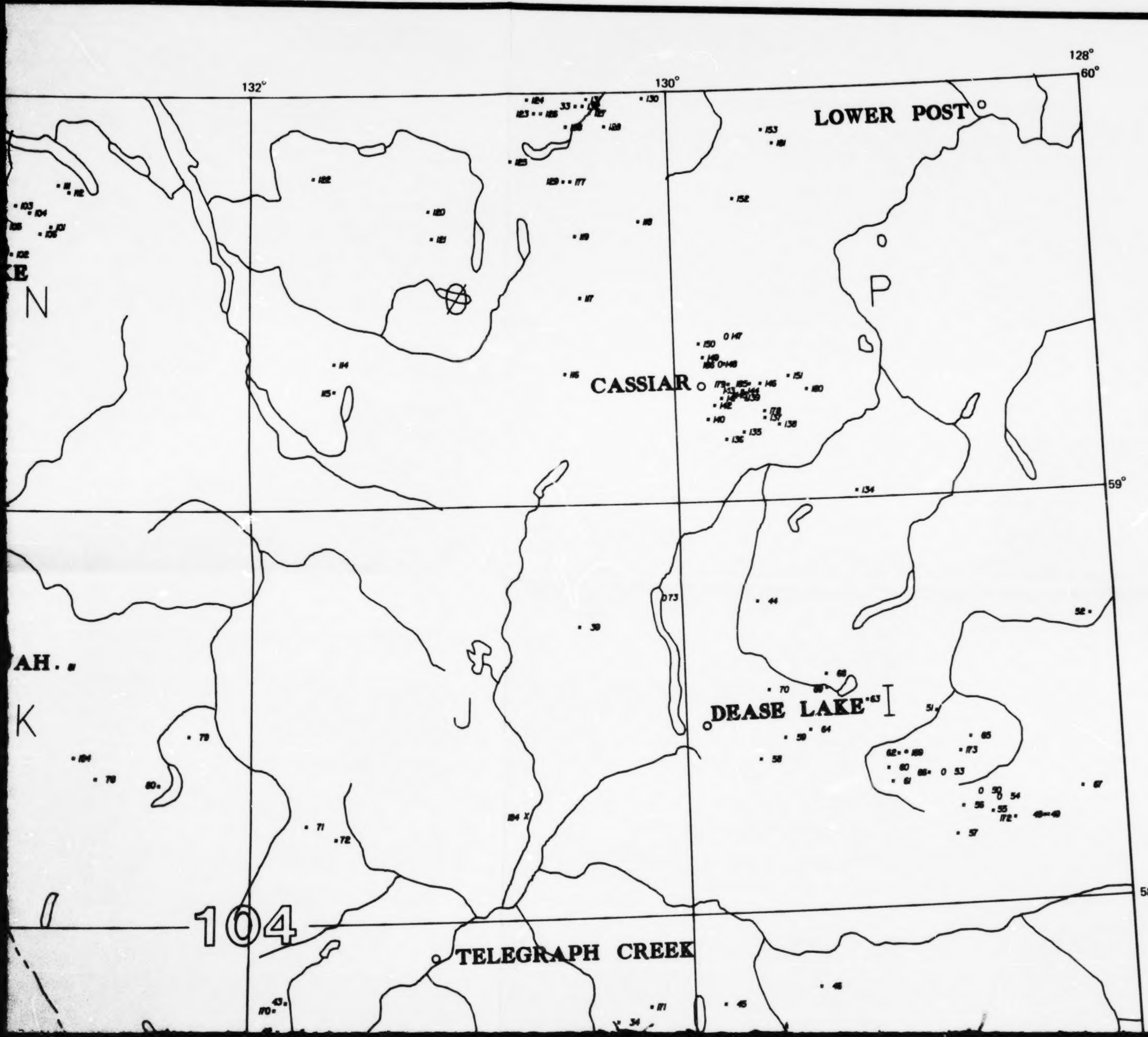

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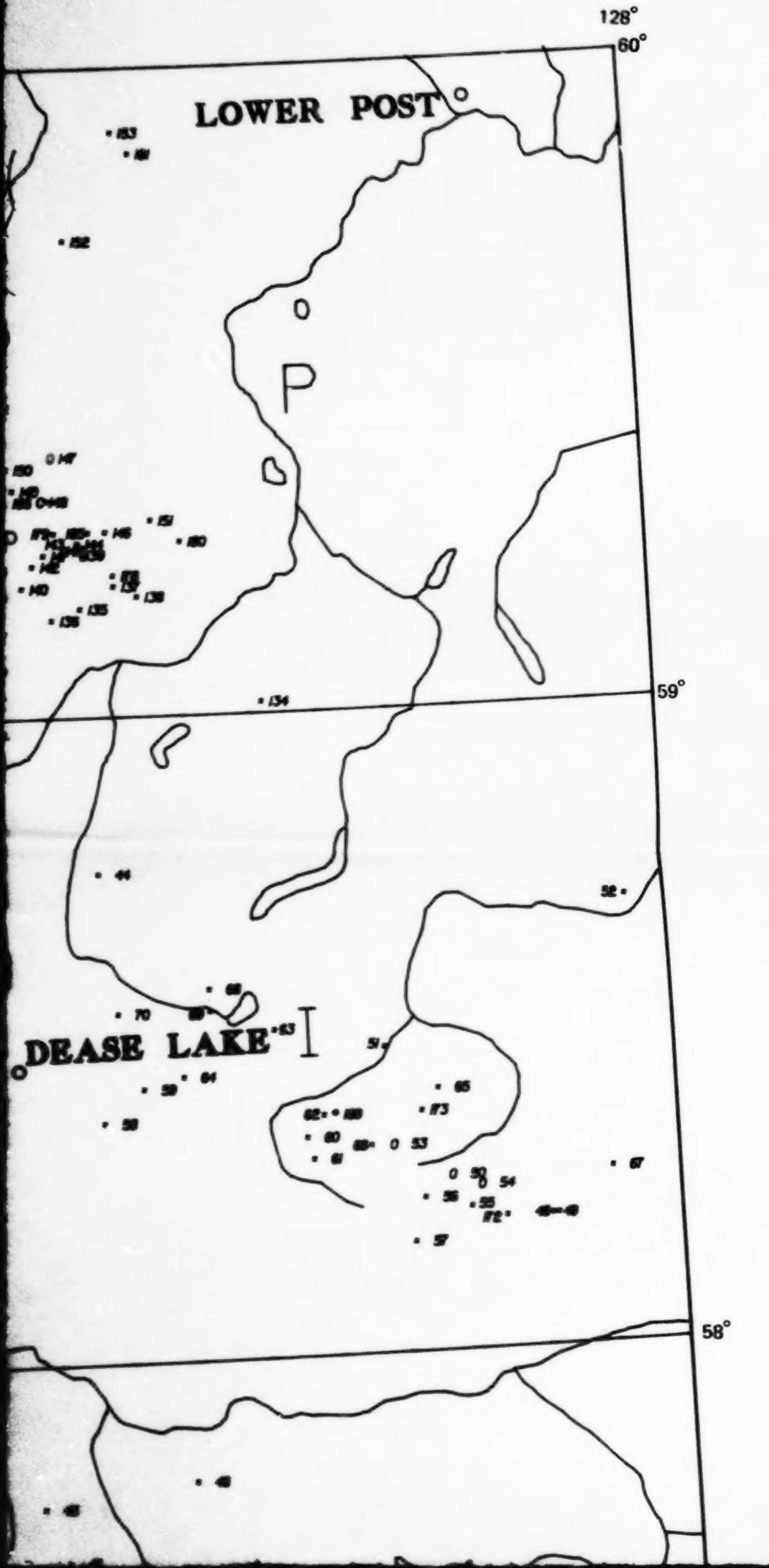

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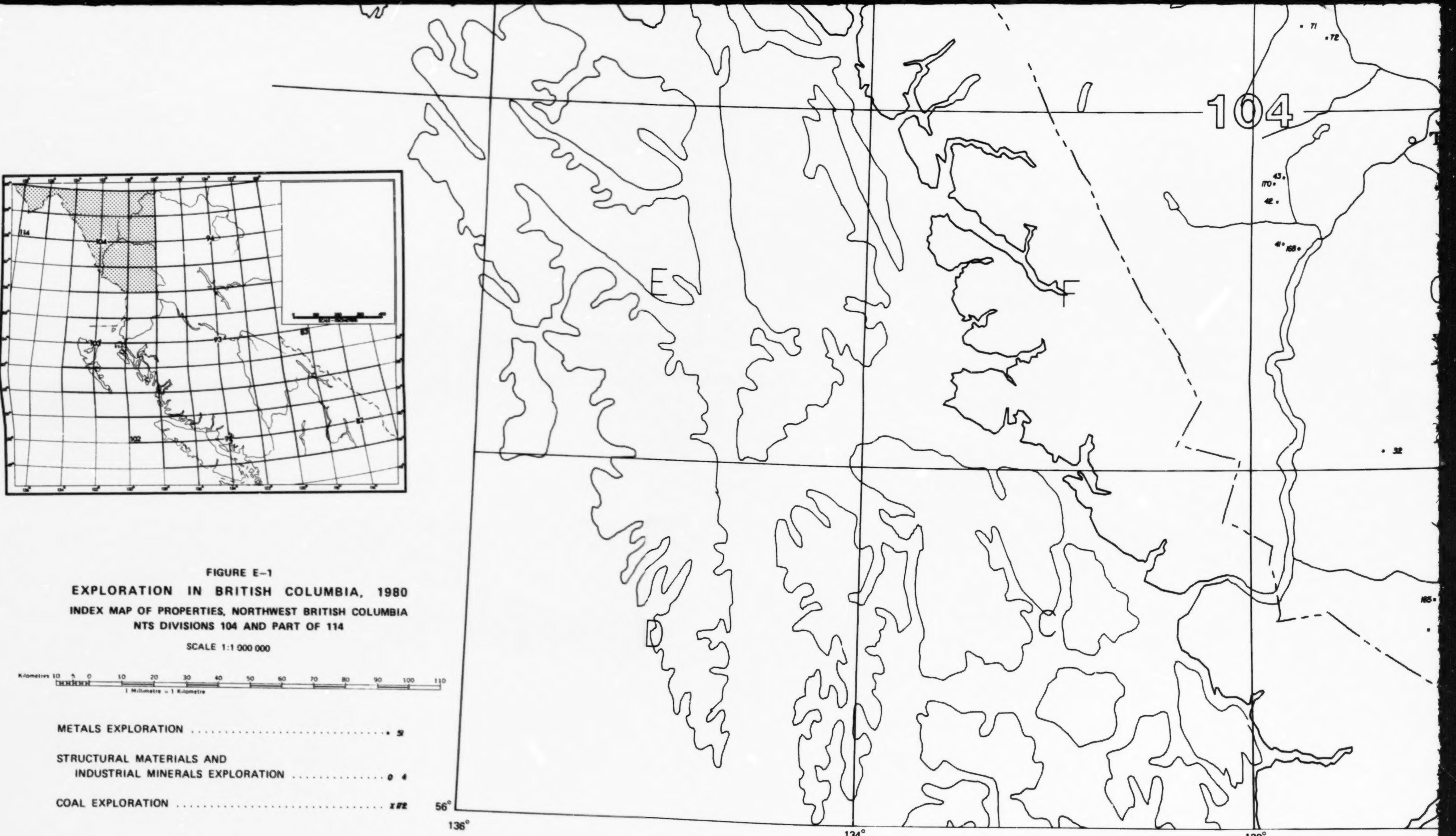
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FIGURE E–1

EXPLORATION IN BRITISH COLUMBIA, 1980

INDEX MAP OF PROPERTIES, NORTHWEST BRITISH COLUMBIA
NTS DIVISIONS 104 AND PART OF 114

SCALE 1:1 000 000

Kilometres 10 5 0 10 20 30 40 50 60 70 80 90 100 110
1 Millimetre = 1 Kilometre

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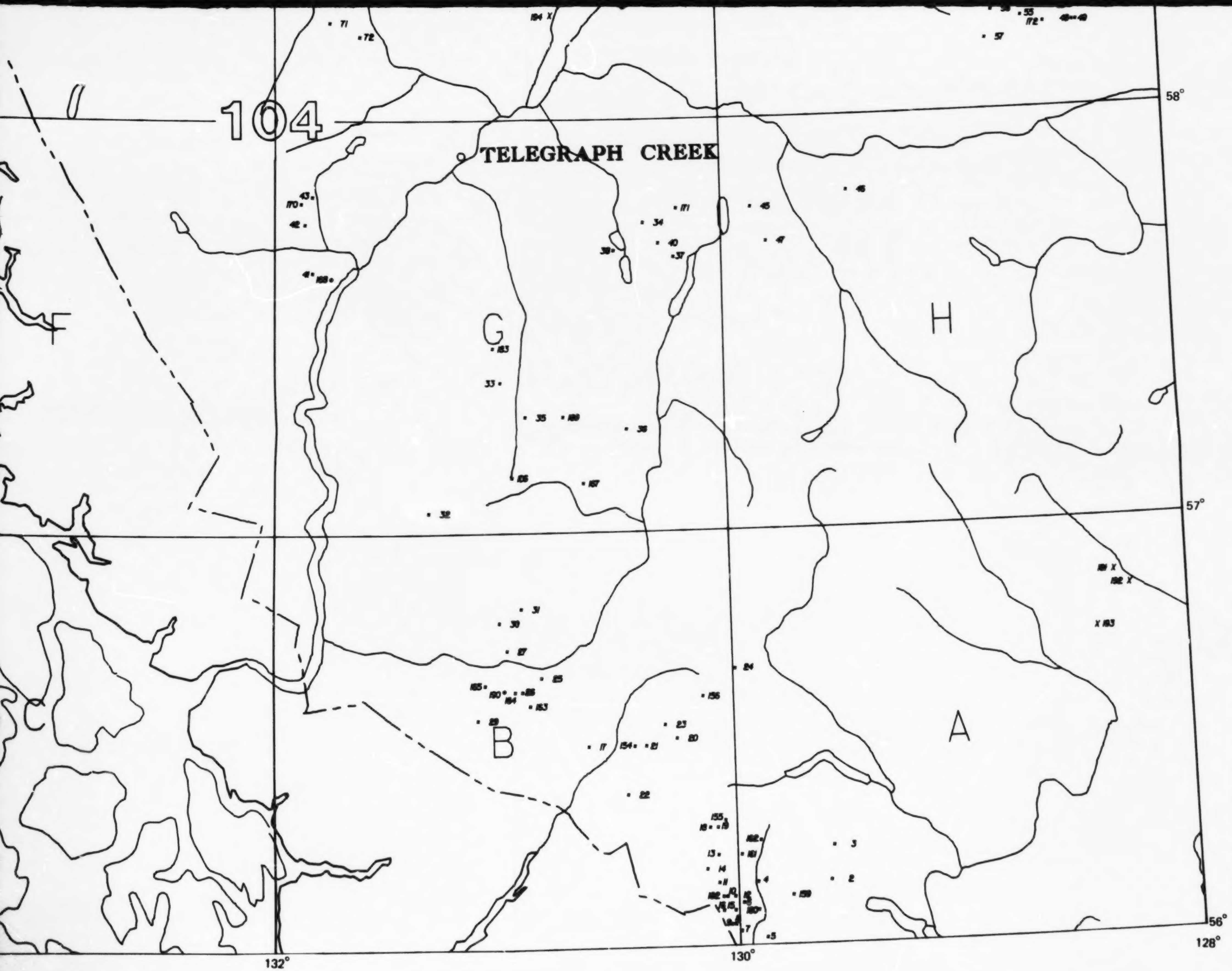
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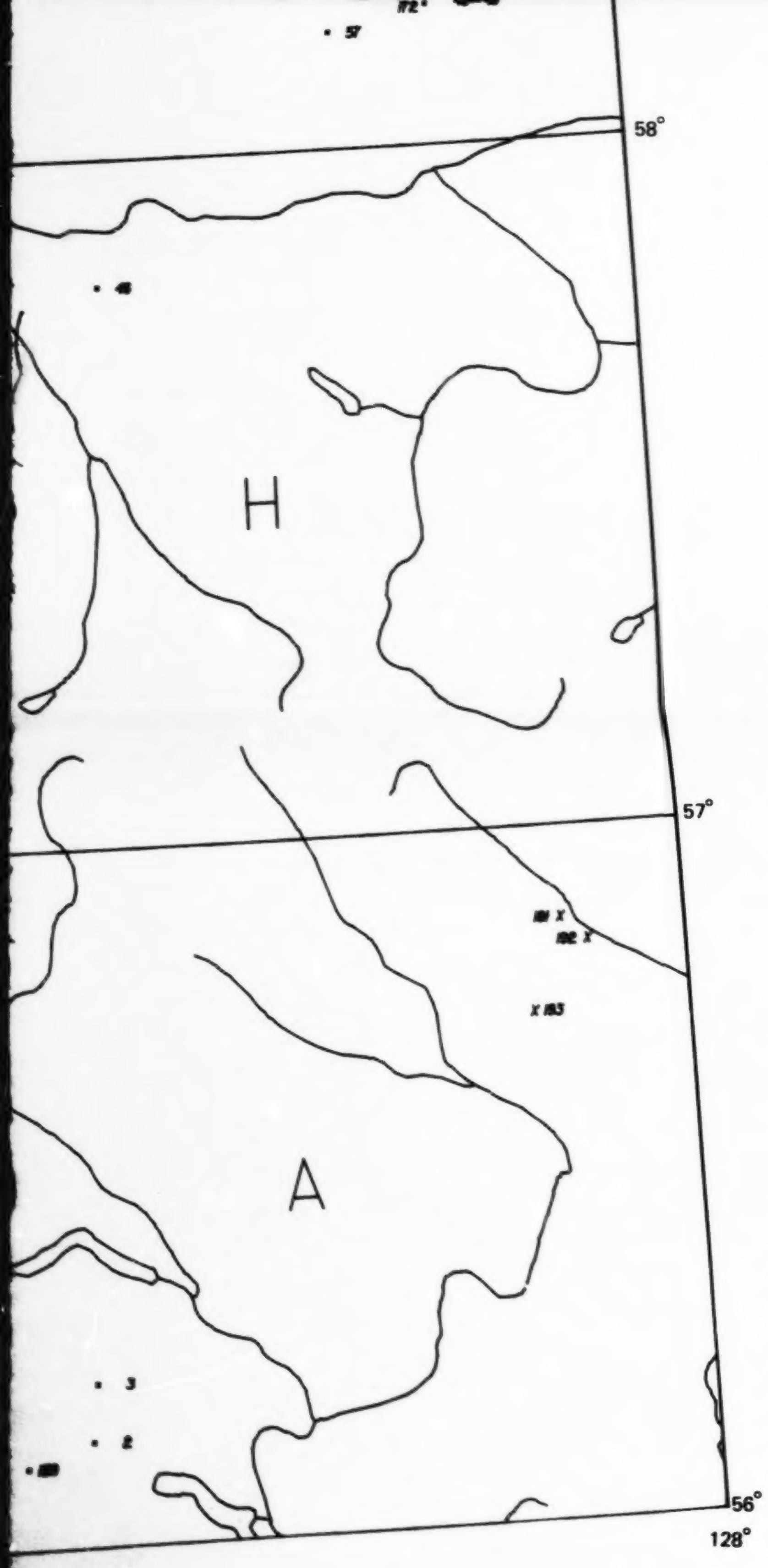

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